

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064592.D
 Acq On : 26 Dec 2019 11:48
 Operator : VA/SY
 Sample : VD1226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Manual Integrations
 APPROVED

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 12/27/2019 2:07:06 PM

Quant Time: Dec 27 02:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	453635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	659662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	204038	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.92	113	205151	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	790894	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.64	95	245571	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74991	21.272	ug/l	99
3) Chloromethane	2.21	50	105628	21.423	ug/l	97
4) Vinyl Chloride	2.35	62	123498	20.543	ug/l	99
5) Bromomethane	2.76	94	90821	20.778	ug/l	97
6) Chloroethane	2.92	64	83242	20.665	ug/l	95
7) Trichlorofluoromethane	3.27	101	217001	21.438	ug/l	97
8) Diethyl Ether	3.71	74	42482	21.135	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88656	21.149	ug/l	98
10) Methyl Iodide	4.30	142	92242	20.485	ug/l	98
11) Tert butyl alcohol	5.25	59	25828	112.664	ug/l	100
12) 1,1-Dichloroethene	4.06	96	83085	20.818	ug/l	96
13) Acrolein	3.92	56	30466	95.358	ug/l	98
14) Allyl chloride	4.71	41	130235	20.930	ug/l	98
15) Acrylonitrile	5.43	53	88802	106.064	ug/l	100
16) Acetone	4.17	43	83850	95.160	ug/l #	87
17) Carbon Disulfide	4.40	76	272424	21.110	ug/l	99
18) Methyl Acetate	4.73	43	48151	21.381	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	187214	21.119	ug/l	100
20) Methylene Chloride	4.96	84	98197	21.187	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97681	21.491	ug/l	96
22) Diisopropyl ether	6.37	45	266663	21.486	ug/l	96
23) Vinyl Acetate	6.31	43	754232	107.128	ug/l	98
24) 1,1-Dichloroethane	6.27	63	159383	21.391	ug/l	96
25) 2-Butanone	7.23	43	113817	103.514	ug/l	99
26) 2,2-Dichloropropane	7.21	77	147197	21.248	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	104241	21.251	ug/l	98
28) Bromochloromethane	7.55	49	54032	18.655	ug/l	98
29) Tetrahydrofuran	7.57	42	75144	109.896	ug/l	95
30) Chloroform	7.71	83	161346	20.640	ug/l	95
31) Cyclohexane	7.98	56	156751	21.017	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	153039	20.843	ug/l	99
36) 1,1-Dichloropropene	8.11	75	129847	20.451	ug/l	97
37) Ethyl Acetate	7.30	43	53560	21.473	ug/l	97
38) Carbon Tetrachloride	8.10	117	143355	21.175	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162876	21.180	ug/l	98
40) Benzene	8.36	78	361520	20.858	ug/l	99
41) Methacrylonitrile	7.53	41	26048	17.999	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	107505	21.464	ug/l	99
43) Isopropyl Acetate	8.46	43	104996	21.149	ug/l	100
44) Trichloroethene	9.11	130	107150	21.044	ug/l	96
45) 1,2-Dichloropropane	9.38	63	86663	20.941	ug/l	100
46) Dibromomethane	9.48	93	46914	20.333	ug/l	94
47) Bromodichloromethane	9.66	83	125969	20.517	ug/l	92
48) Methyl methacrylate	9.46	41	47011	20.110	ug/l	92
49) 1,4-Dioxane	9.47	88	11508	432.554	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	253797	103.424	ug/l	97
52) Toluene	10.41	92	231183	20.330	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	119764	20.923	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	141165	20.915	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65667	21.118	ug/l	95
56) Ethyl methacrylate	10.66	69	79635	20.507	ug/l	98
57) 1,3-Dichloropropane	10.95	76	112155	20.948	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	155681	105.224	ug/l	98
59) 2-Hexanone	10.98	43	172432	103.529	ug/l	99
60) Dibromochloromethane	11.14	129	88992	20.696	ug/l	100
61) 1,2-Dibromoethane	11.25	107	64802	21.129	ug/l	95
64) Tetrachloroethene	10.88	164	93187	20.901	ug/l	95
65) Chlorobenzene	11.67	112	248358	20.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	95962	21.104	ug/l	97
67) Ethyl Benzene	11.75	91	449032	20.511	ug/l	98
68) m/p-Xylenes	11.86	106	343436	40.643	ug/l	97
69) o-Xylene	12.18	106	157685	20.660	ug/l	100
70) Styrene	12.20	104	272883	20.369	ug/l	100
71) Bromoform	12.36	173	53200	20.516	ug/l #	98
73) Isopropylbenzene	12.48	105	435864	21.220	ug/l	100
74) N-amyl acetate	12.29	43	94127	21.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	68697	21.290	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	40970m	18.051	ug/l	
77) Bromobenzene	12.77	156	105235	20.851	ug/l	100
78) n-propylbenzene	12.83	91	507443	21.176	ug/l	99
79) 2-Chlorotoluene	12.91	91	273825	20.801	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	357469	21.186	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22160	20.420	ug/l	96
82) 4-Chlorotoluene	13.01	91	295116	21.066	ug/l	100
83) tert-Butylbenzene	13.23	119	311542	21.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	353606	21.043	ug/l	98
85) sec-Butylbenzene	13.41	105	426235	21.222	ug/l	99
86) p-Isopropyltoluene	13.52	119	400766	20.869	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	202167	21.012	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	198628	21.015	ug/l	99
89) n-Butylbenzene	13.85	91	370411	21.418	ug/l	100
90) Hexachloroethane	14.12	117	77557	21.142	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	171947	20.958	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11300	21.603	ug/l	94

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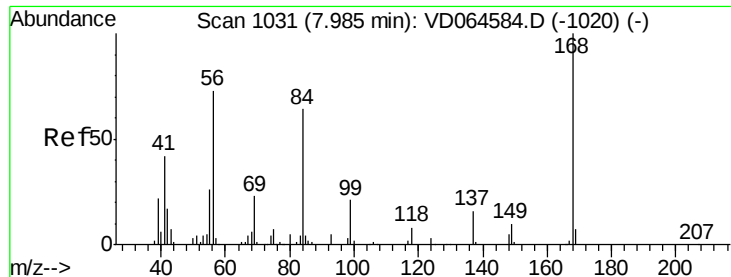
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	129880	21.500	ug/l	97
94) Hexachlorobutadiene	15.28	225	80332	21.133	ug/l	98
95) Naphthalene	15.41	128	202738	21.214	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	110580	21.442	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

Tot Ion:168 Resp: 453635

Ion Ratio Lower Upper

168 100

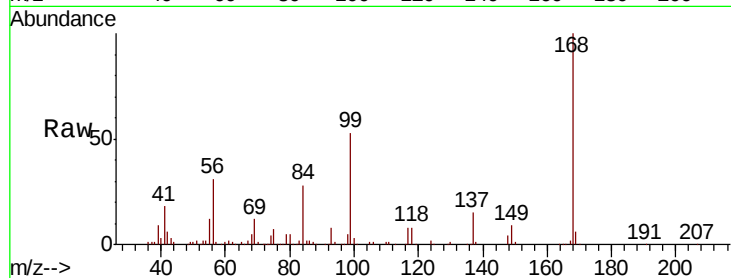
99 53.0 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

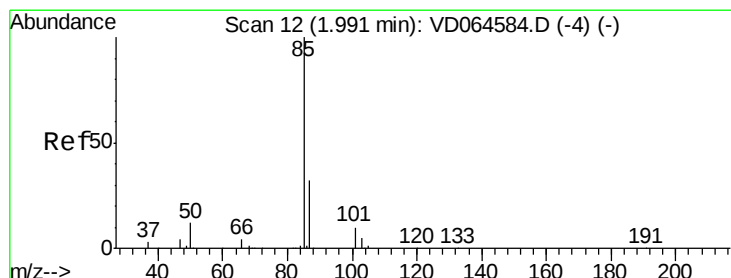
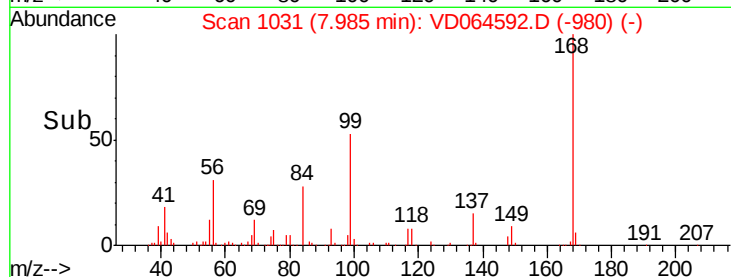
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.272 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064592.D

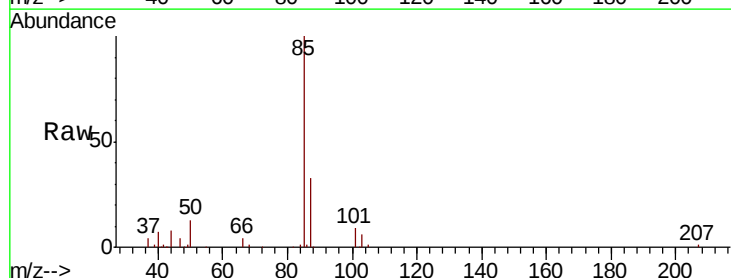
Acq: 26 Dec 2019 11:48

Tgt Ion: 85 Resp: 74991

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

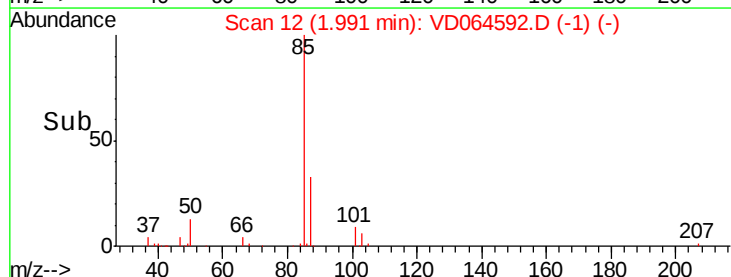
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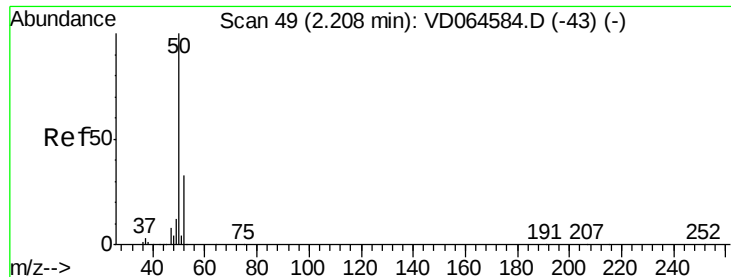
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 50 Resp: 105628

Ion Ratio Lower Upper

50 100

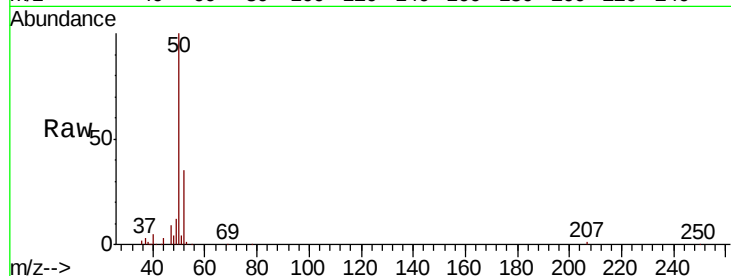
52 34.7 26.5 39.7

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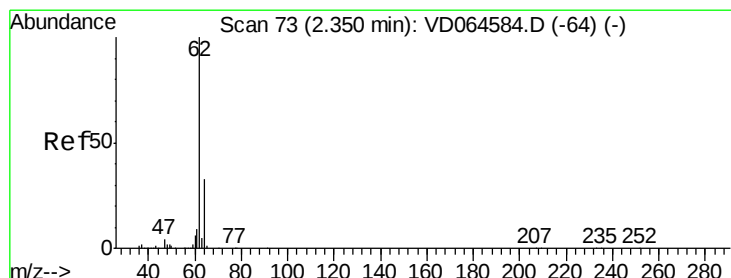
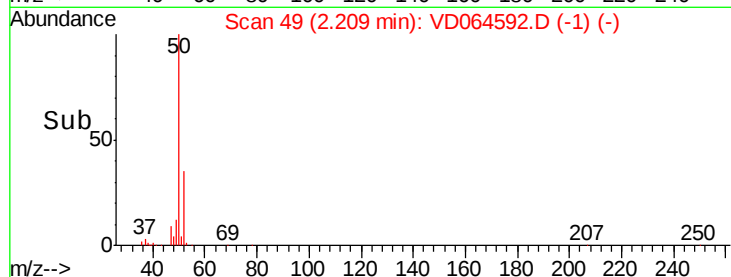
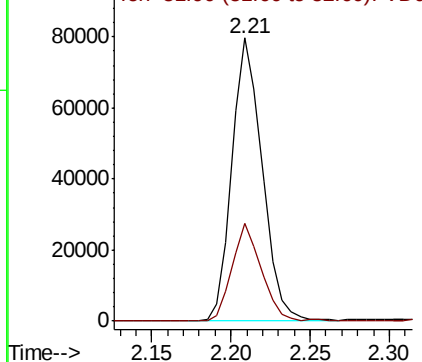
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.543 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064592.D

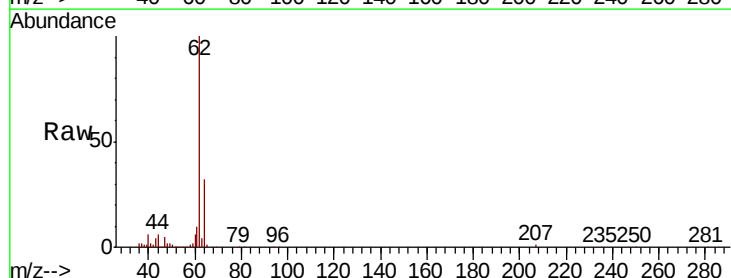
Acq: 26 Dec 2019 11:48

Tgt Ion: 62 Resp: 123498

Ion Ratio Lower Upper

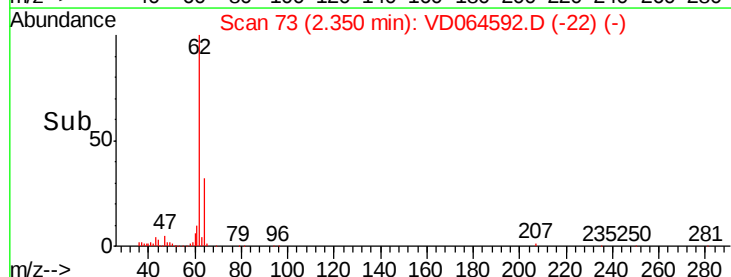
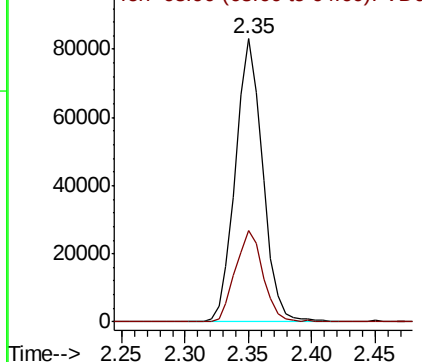
62 100

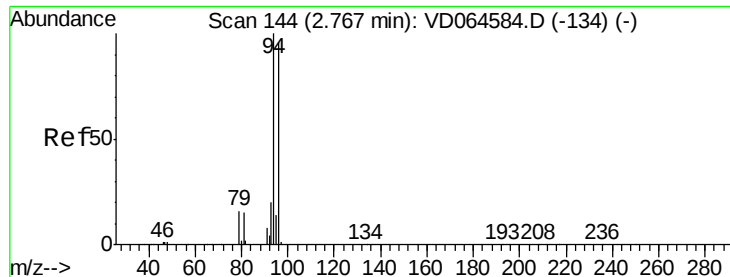
64 32.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.778 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBSD01

Tot Ion: 94 Resp: 90821

Ion Ratio Lower Upper

94 100

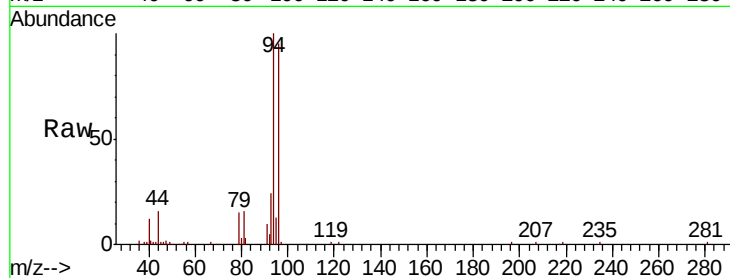
96 93.6 77.2 115.8

Manual Integrations

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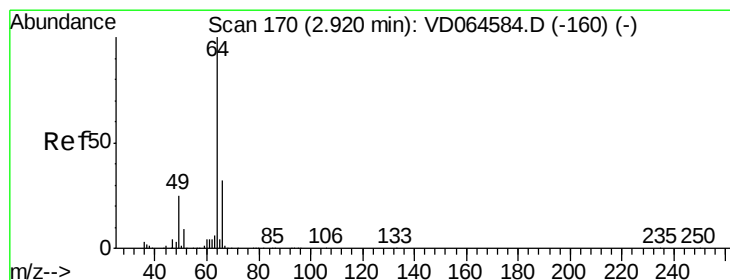
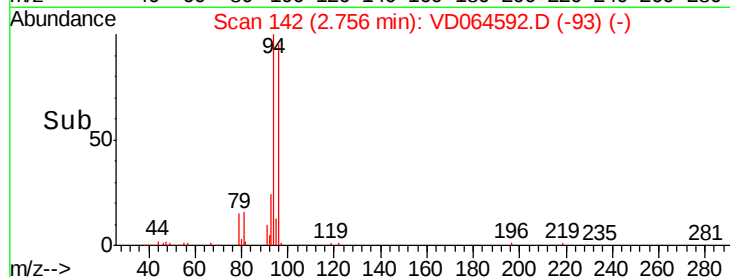
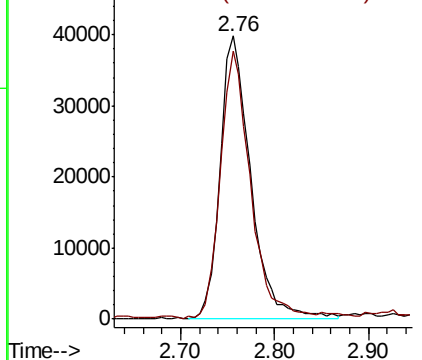
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.665 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064592.D

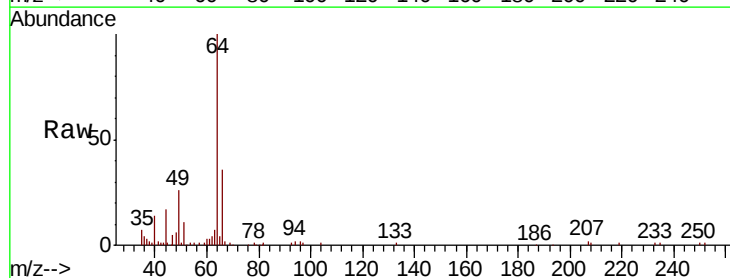
Acq: 26 Dec 2019 11:48

Tgt Ion: 64 Resp: 83242

Ion Ratio Lower Upper

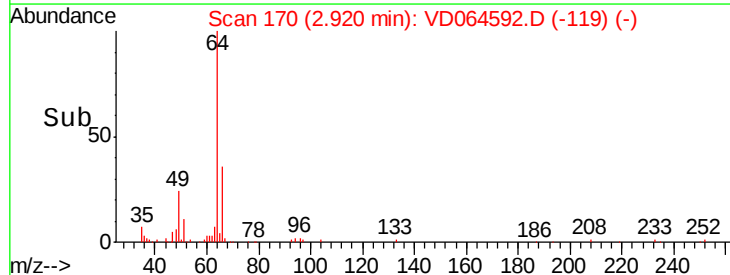
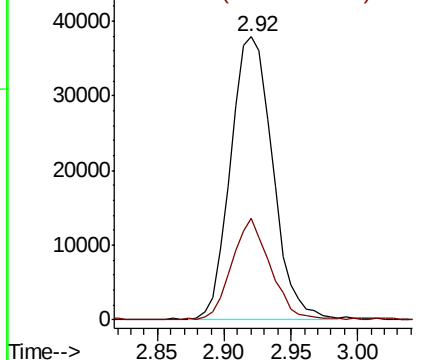
64 100

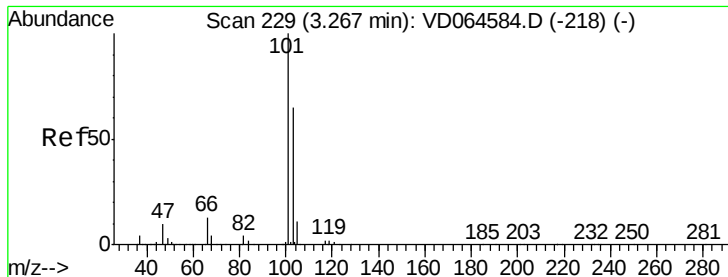
66 35.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

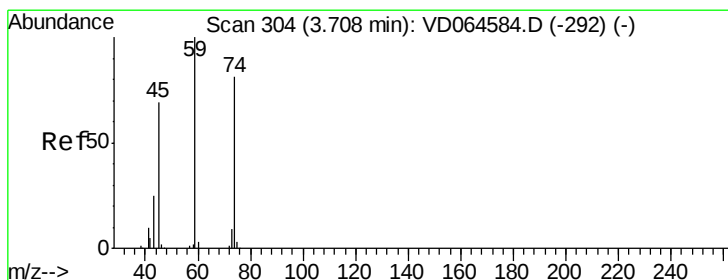
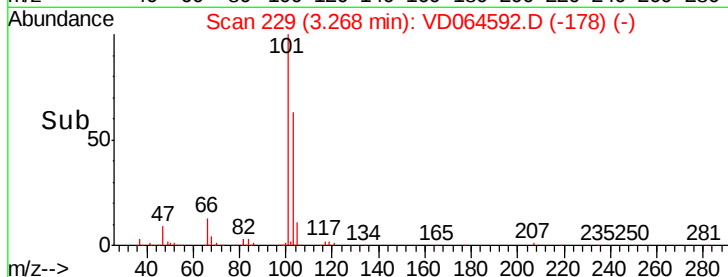
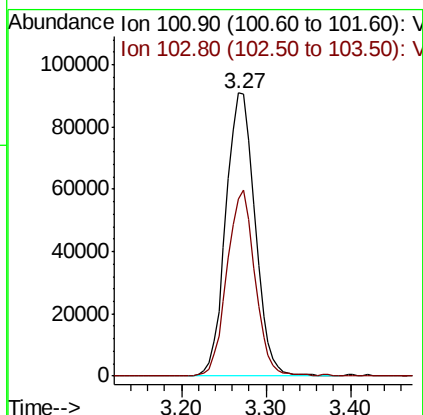
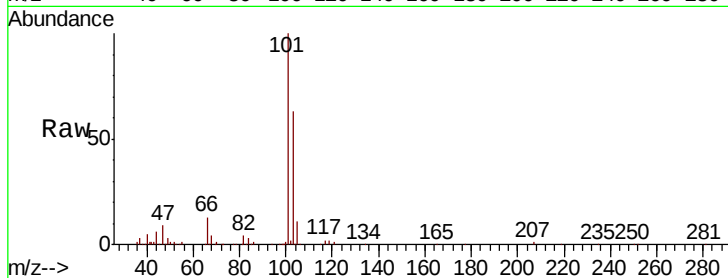
Trichlorofluoromethane
Concen: 21.438 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
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VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.2	78.4

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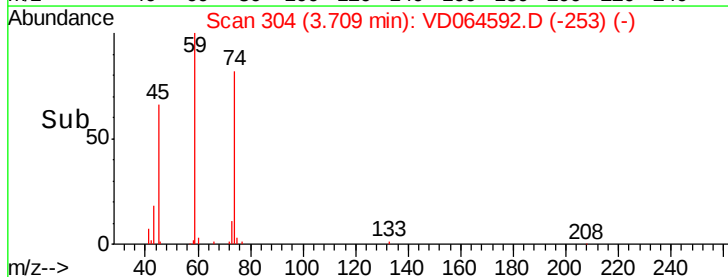
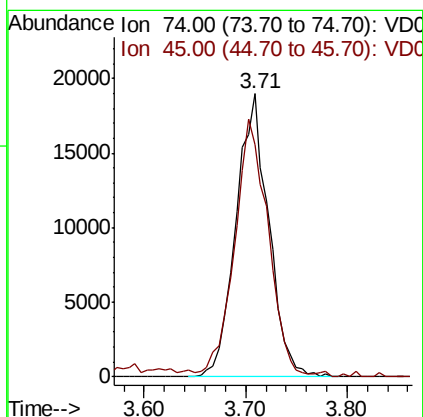
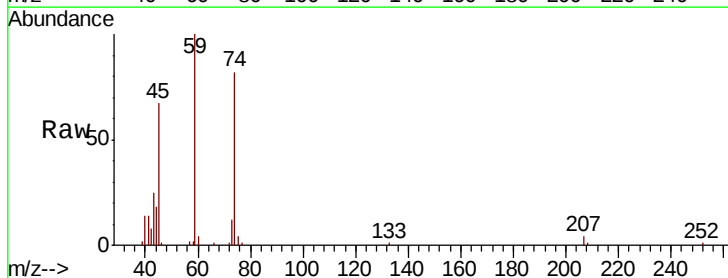
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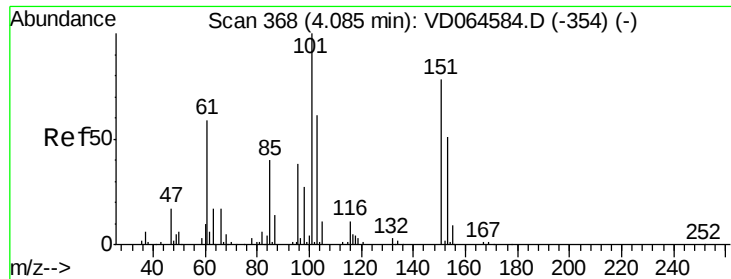


#8

Diethyl Ether
Concen: 21.135 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.149 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

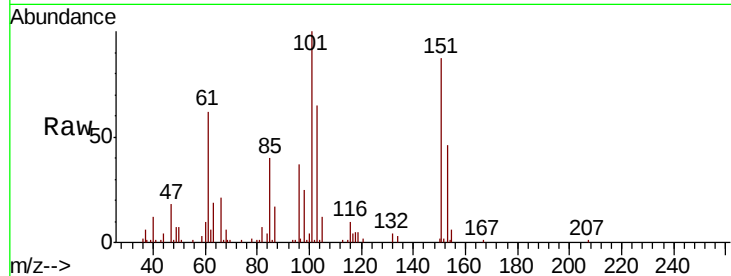
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VD1226SBS01

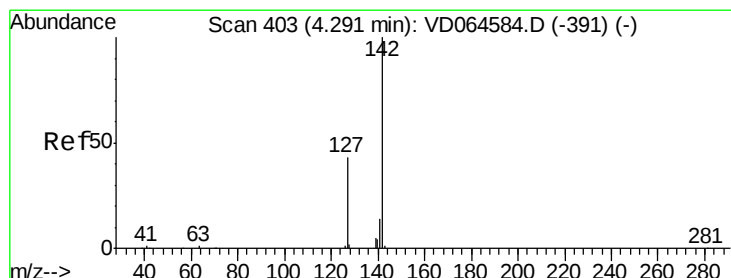
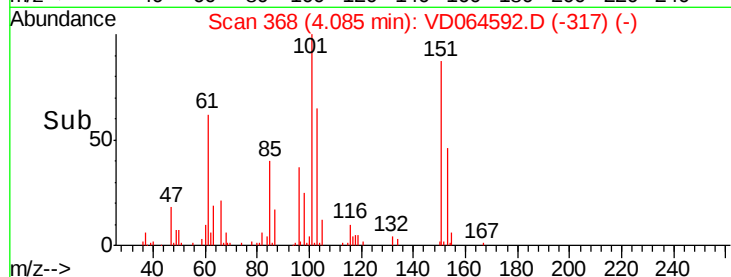
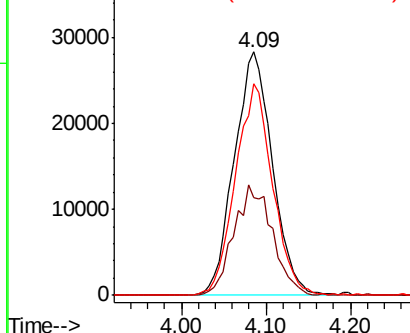
Tot Ion:	101	Resp:	88656
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.2	52.8
151	84.4	66.2	99.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.485 ug/l

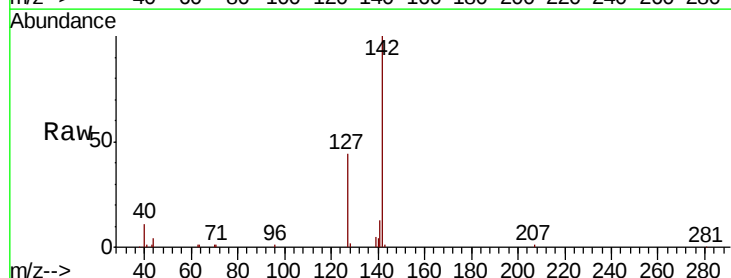
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

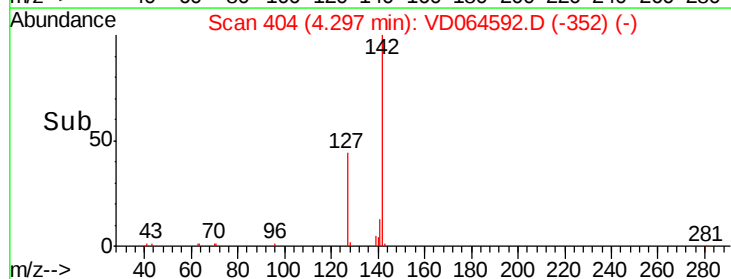
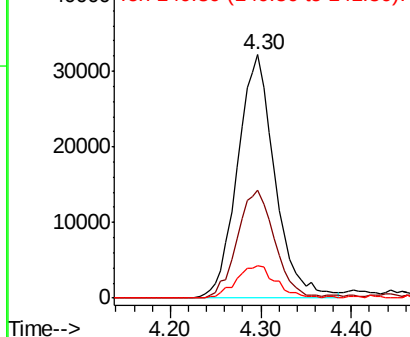
Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion:	142	Resp:	92242
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.2	54.4
141	14.1	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

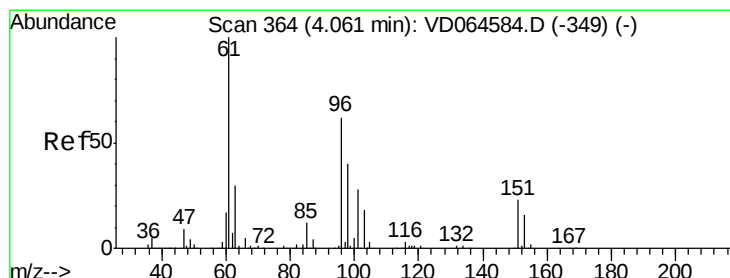
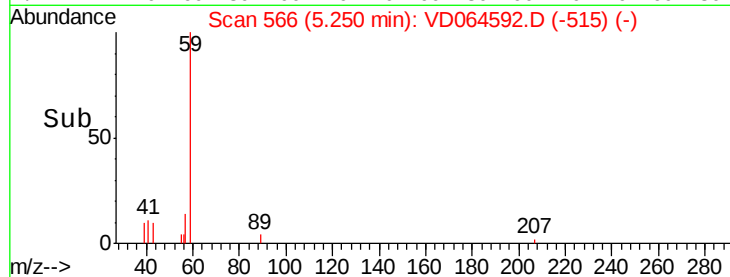
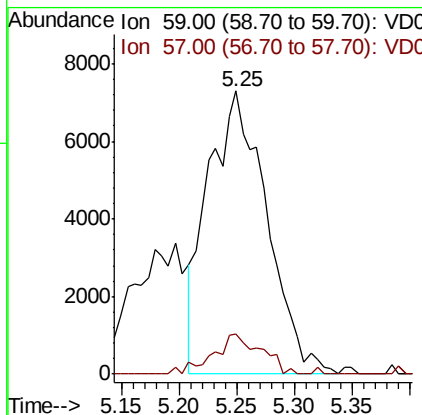
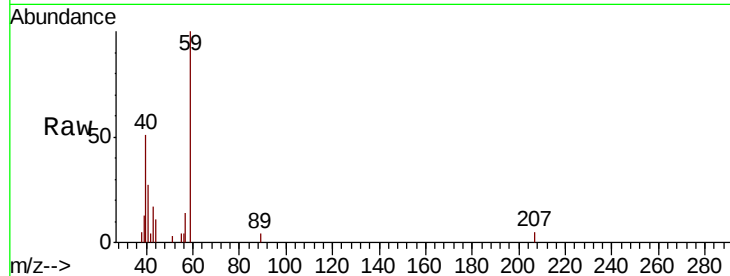
Tert butyl alcohol
 Concen: 112.664 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.3	13.9

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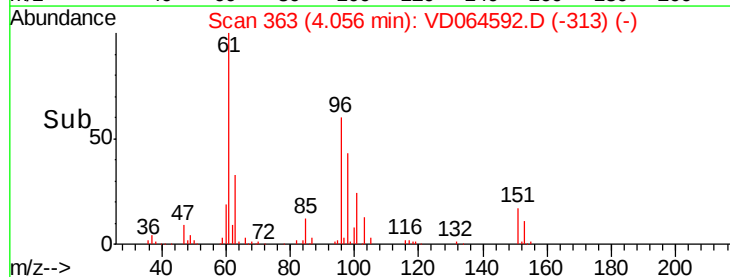
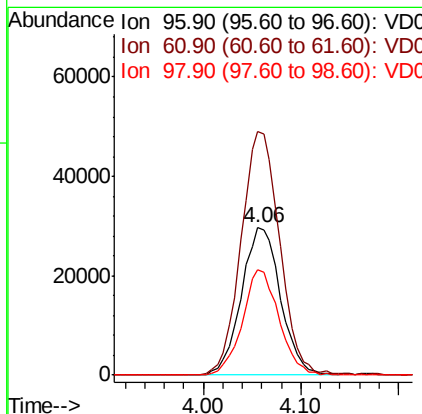
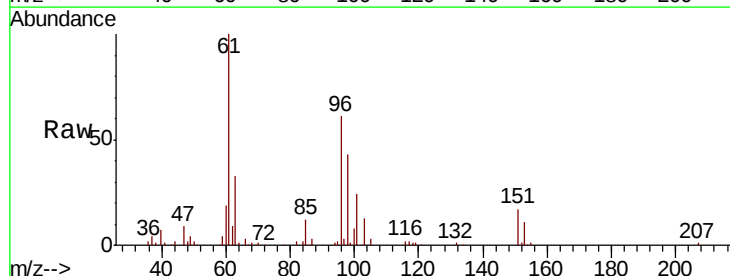
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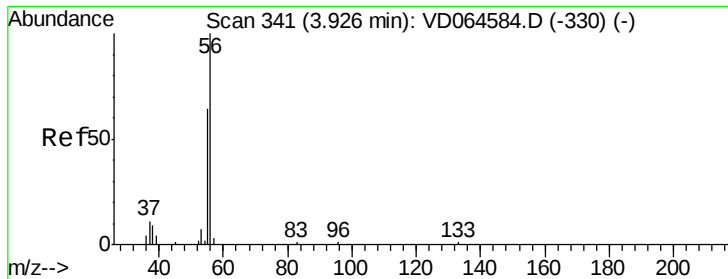


#12

1,1-Dichloroethene
 Concen: 20.818 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	129.4	194.0
98	71.1	51.4	77.0





#13

Acrolein

Concen: 95.358 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 56 Resp: 30466

Ion Ratio Lower Upper

56 100

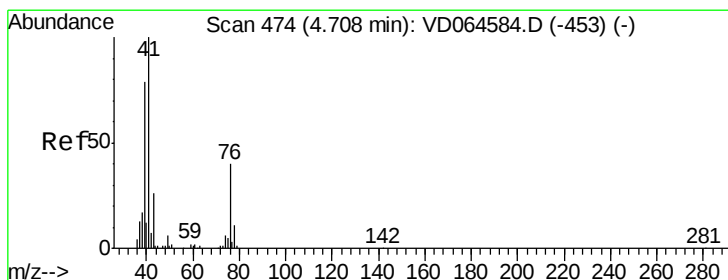
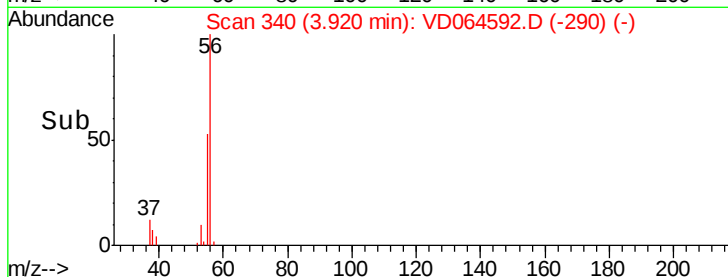
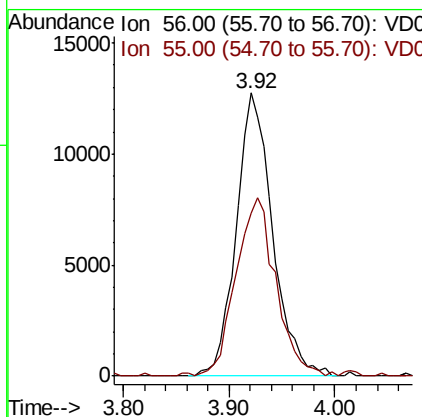
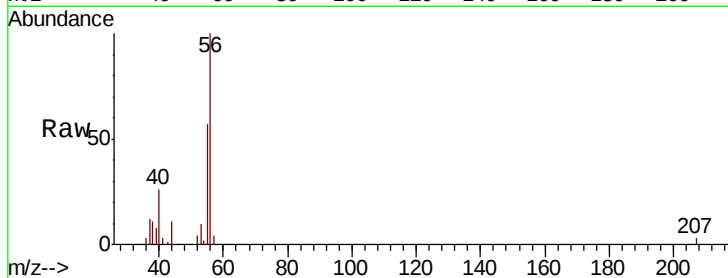
55 69.0 56.7 85.1

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#14

Allyl chloride

Concen: 20.930 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

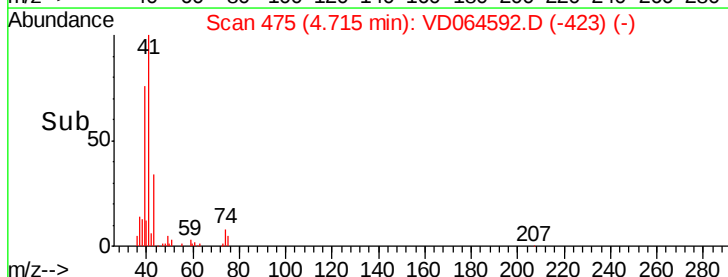
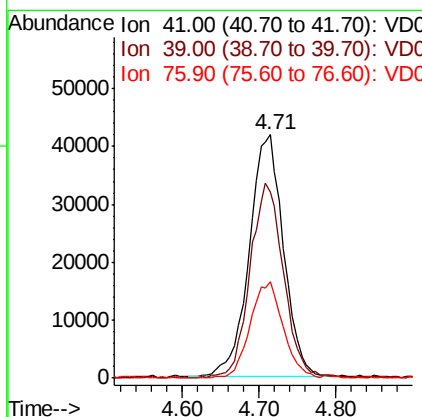
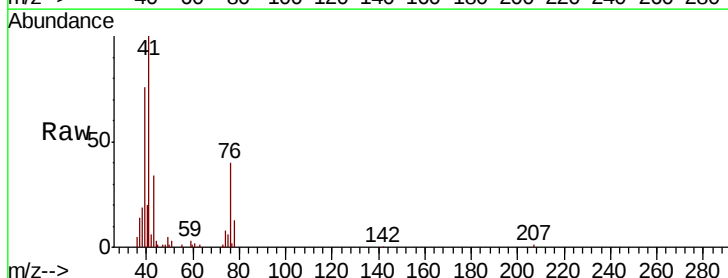
Tgt Ion: 41 Resp: 130235

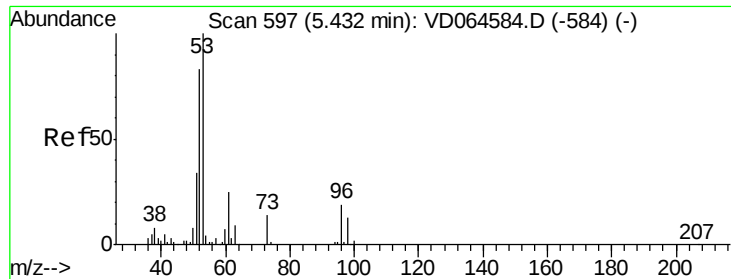
Ion Ratio Lower Upper

41 100

39 79.1 62.3 93.5

76 38.3 29.7 44.5





#15

Acrylonitrile

Concen: 106.064 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

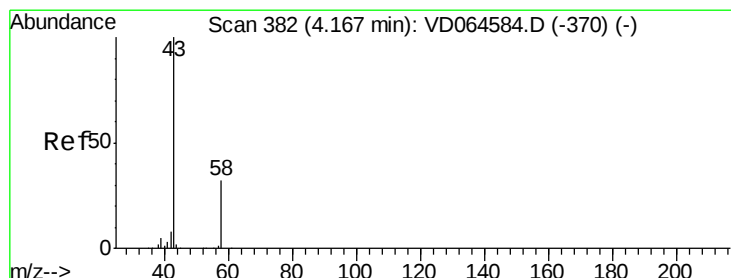
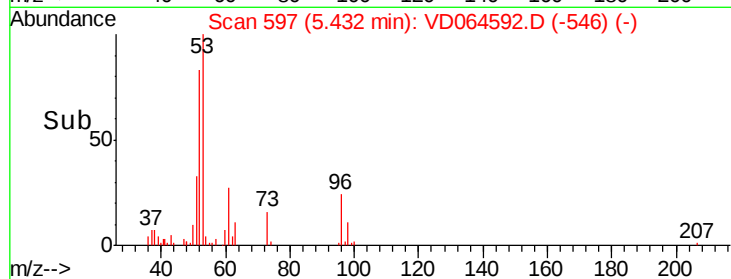
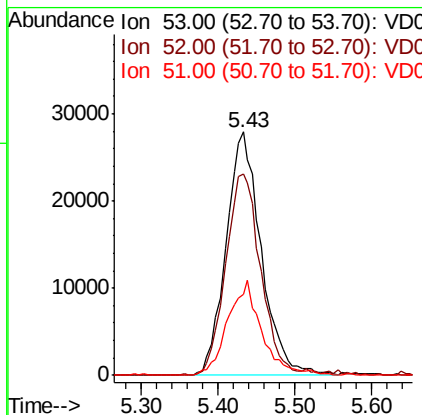
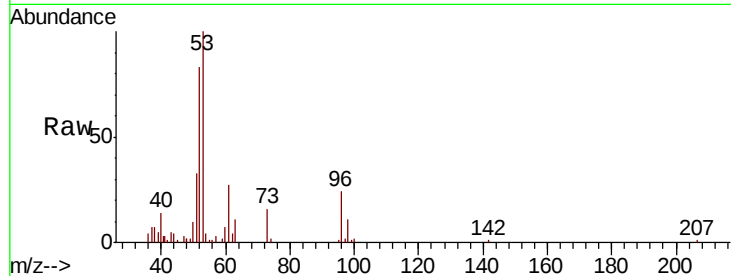
ClientSampleID :

VD1226SBS01

Tot Ion:	53	Resp:	88802
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.2
51	37.7	30.1	45.1

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#16

Acetone

Concen: 95.160 ug/l

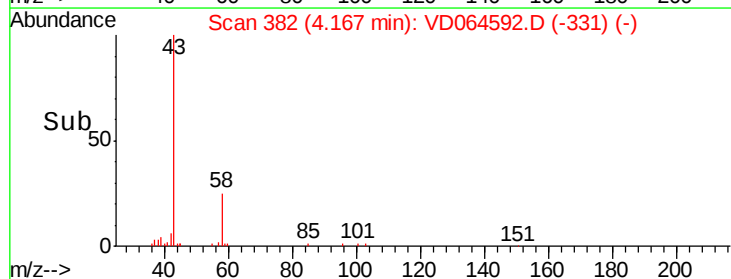
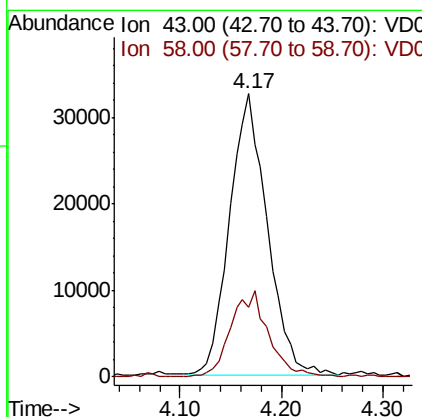
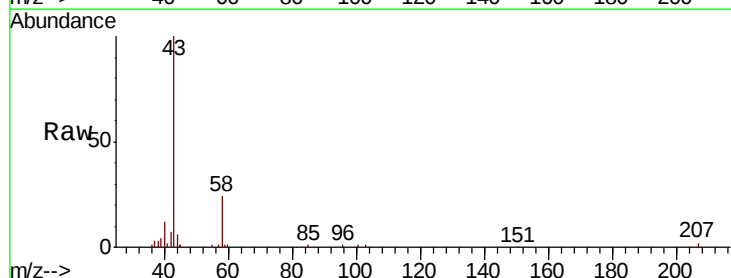
RT: 4.17 min Scan# 382

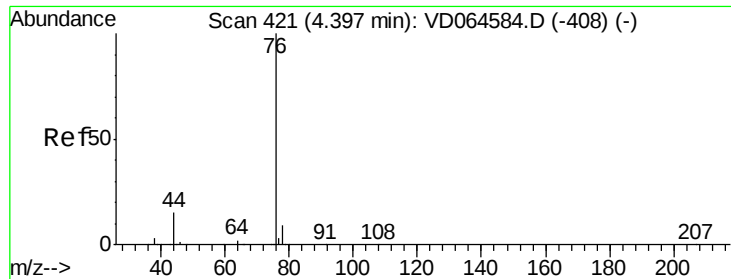
Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion:	43	Resp:	83850
Ion Ratio	Lower	Upper	
43	100		
58	24.7	25.8	38.6#





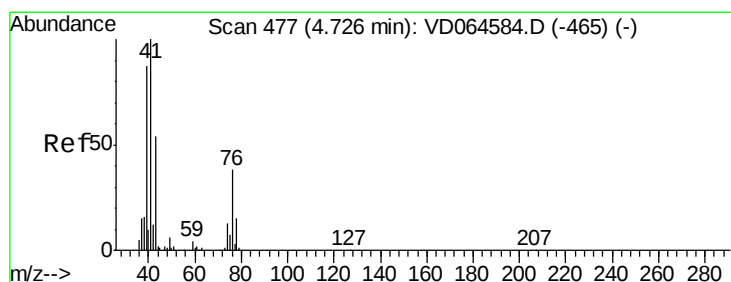
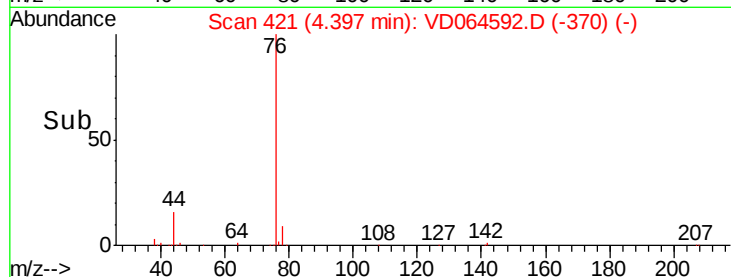
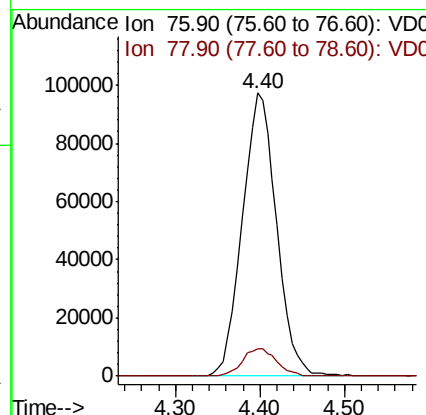
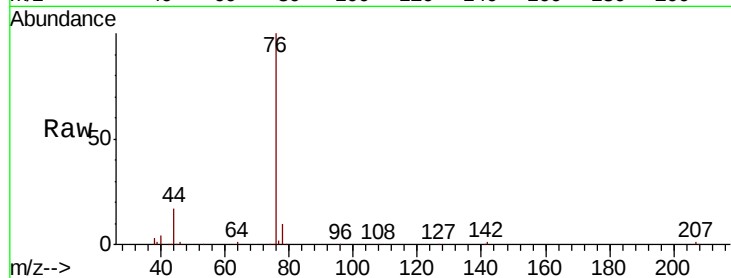
#17
Carbon Disulfide
Concen: 21.110 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

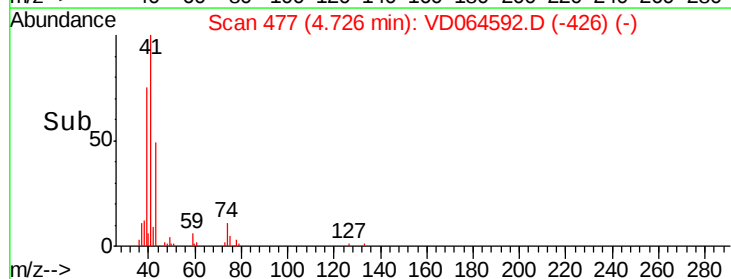
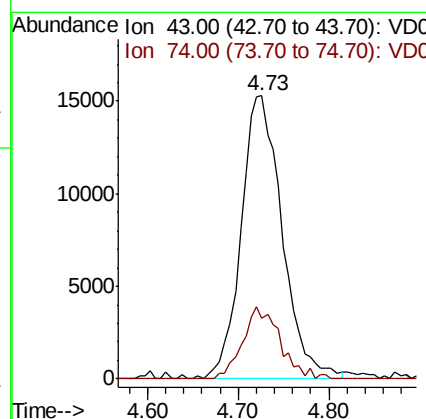
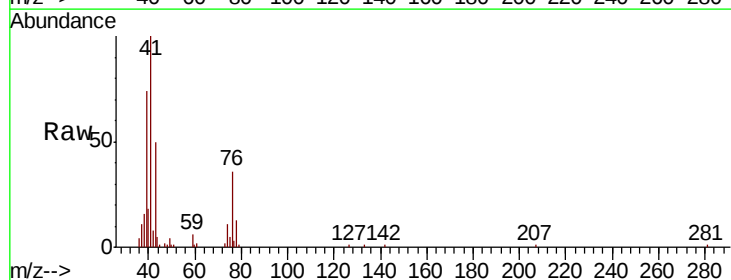
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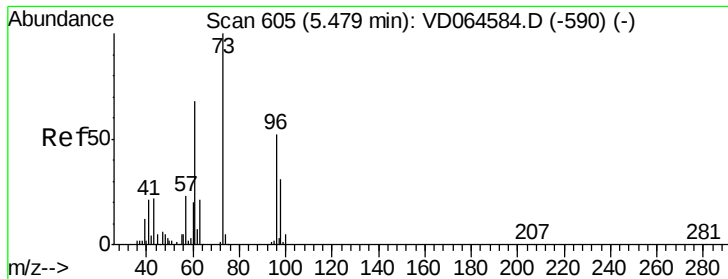
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#18
Methyl Acetate
Concen: 21.381 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8





#19

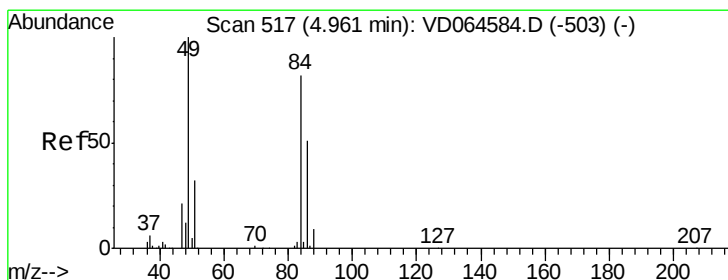
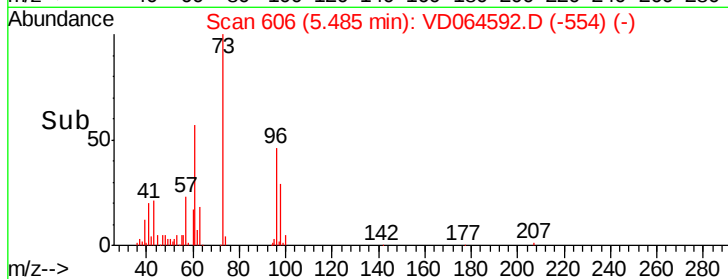
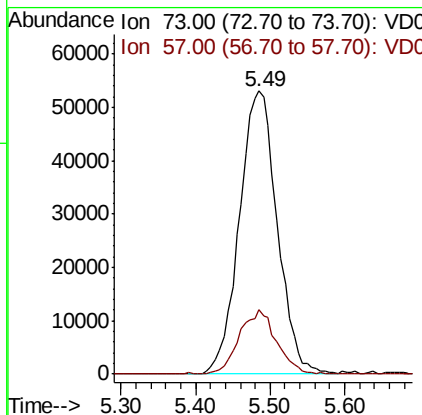
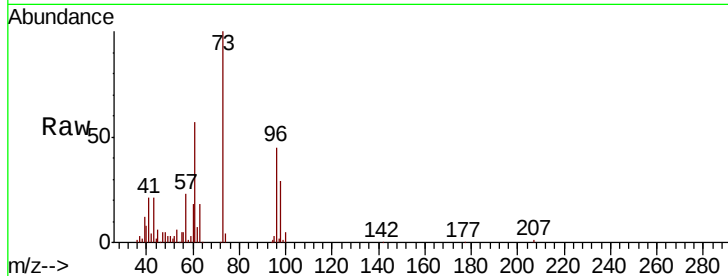
Methyl tert-butyl Ether
 Concen: 21.119 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.6	27.8

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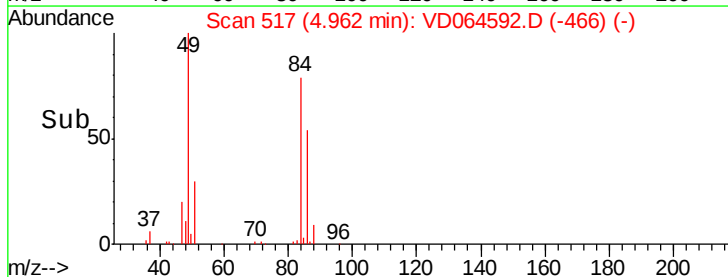
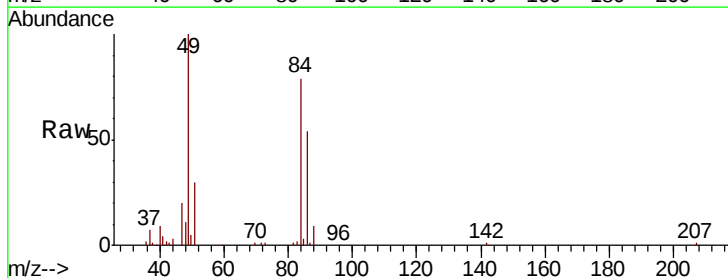
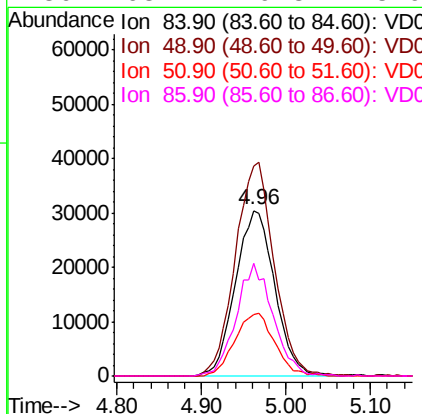
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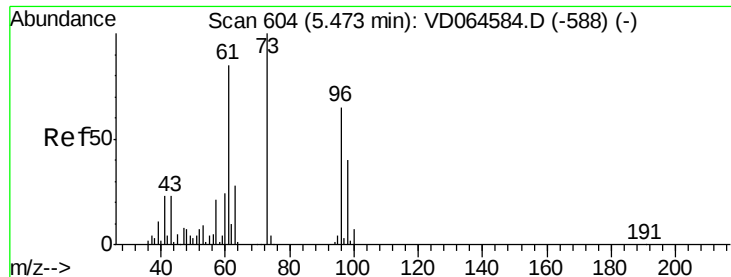


#20

Methylene Chloride
 Concen: 21.187 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.7	97.2	145.8
51	37.5	31.4	47.0
86	68.2	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 21.491 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

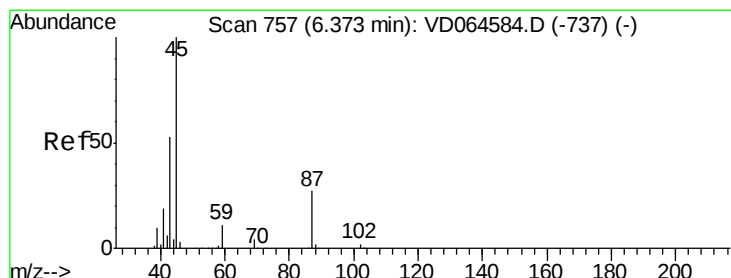
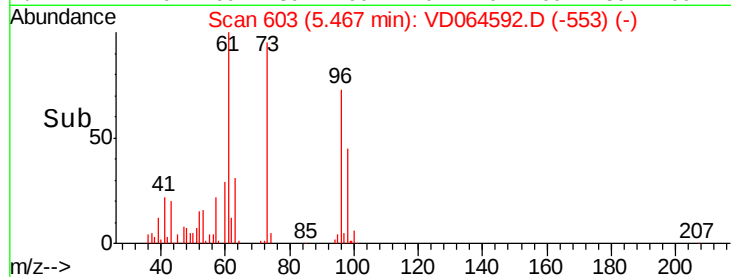
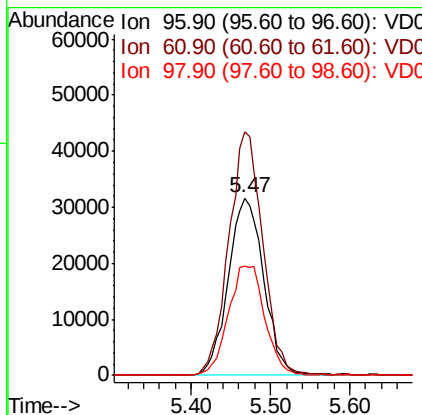
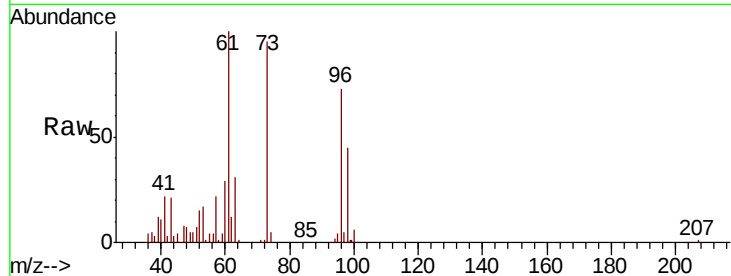
ClientSampleId :

VD1226SBSD01

Tot Ion:	96	Resp:	97681
Ion	Ratio	Lower	Upper
96	100		
61	137.5	104.7	157.1
98	62.0	49.4	74.2

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#22

Diisopropyl ether

Concen: 21.486 ug/l

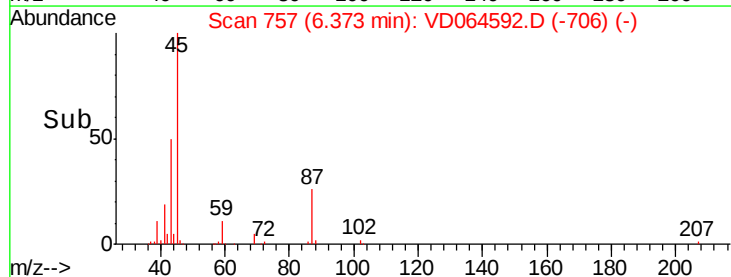
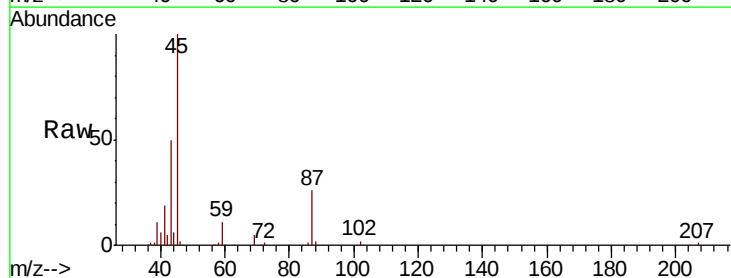
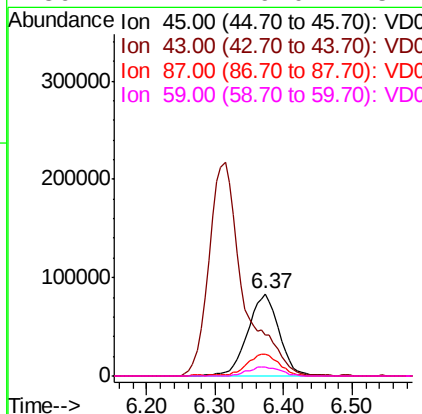
RT: 6.37 min Scan# 757

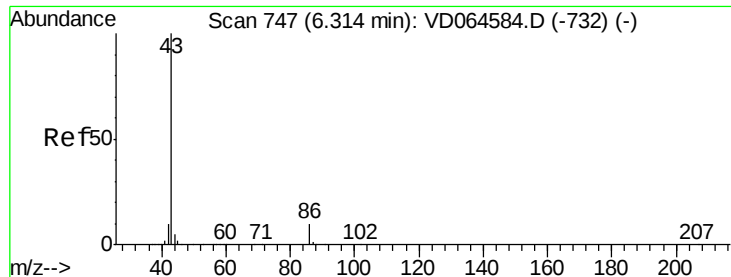
Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion:	45	Resp:	266663
Ion	Ratio	Lower	Upper
45	100		
43	49.6	43.2	64.8
87	26.1	21.9	32.9
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 107.128 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 754232

Ion Ratio Lower Upper

43 100

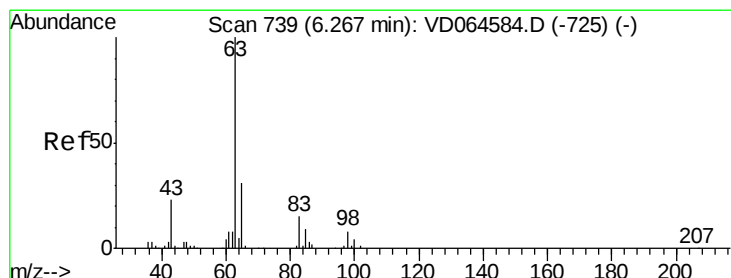
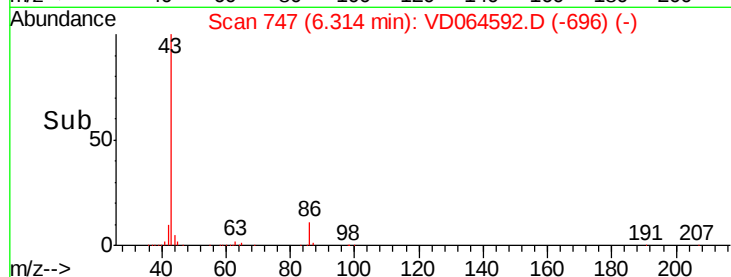
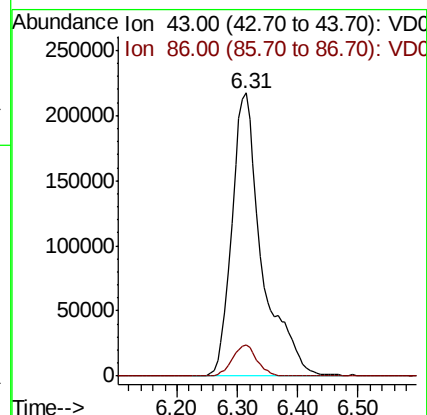
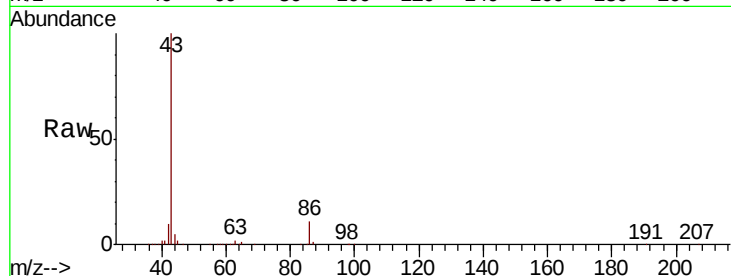
86 11.0 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 21.391 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

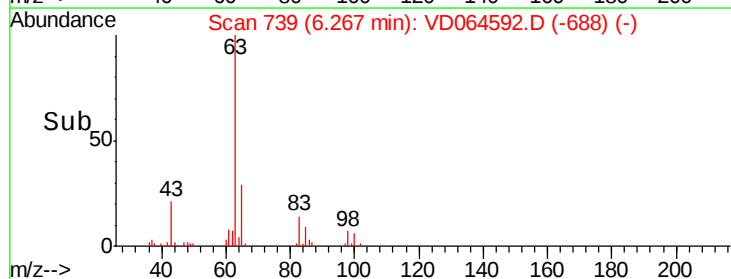
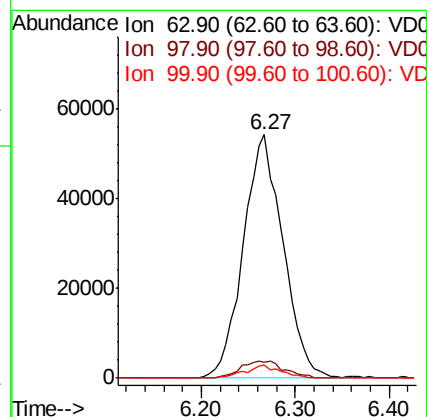
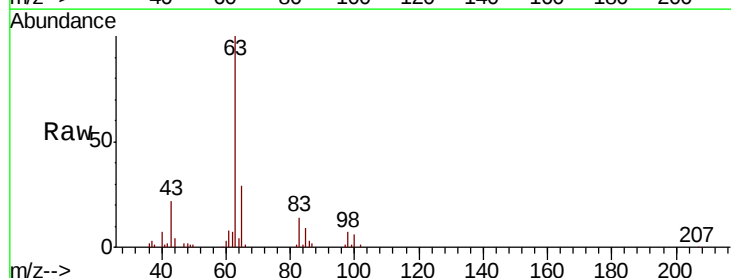
Tgt Ion: 63 Resp: 159383

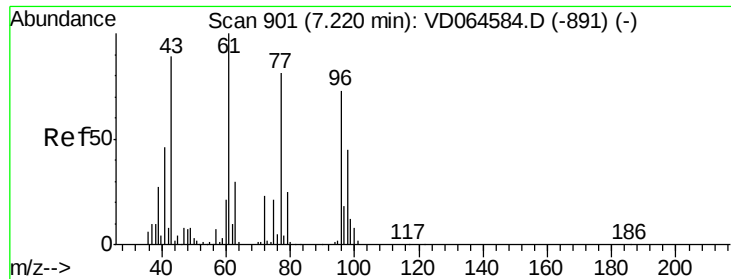
Ion Ratio Lower Upper

63 100

98 6.7 4.1 12.3

100 5.5 2.2 6.6





#25

2-Butanone

Concen: 103.514 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 113817

Ion Ratio Lower Upper

43 100

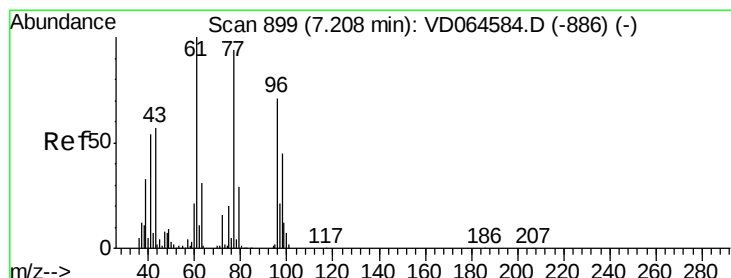
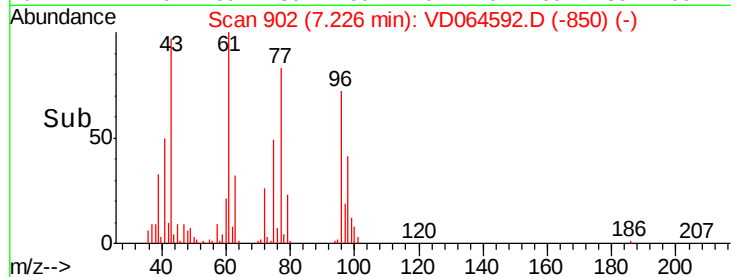
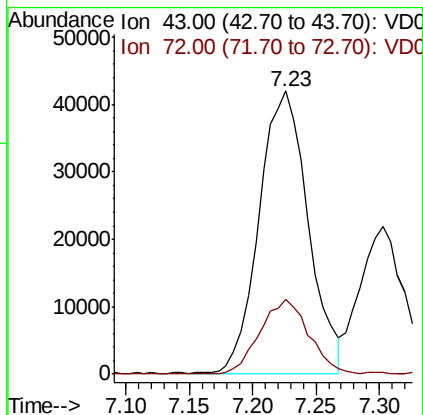
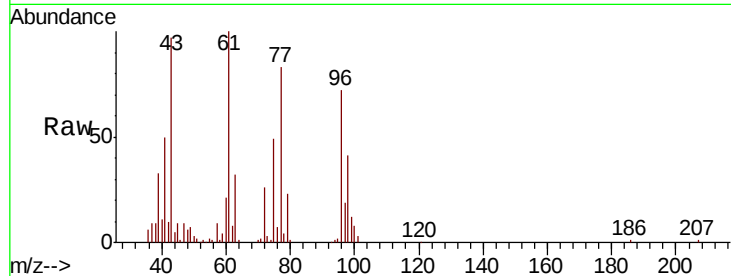
72 26.4 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 21.248 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064592.D

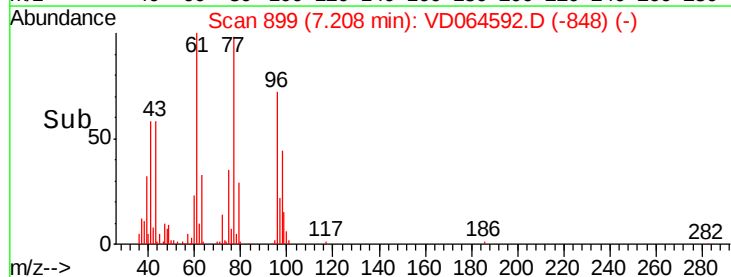
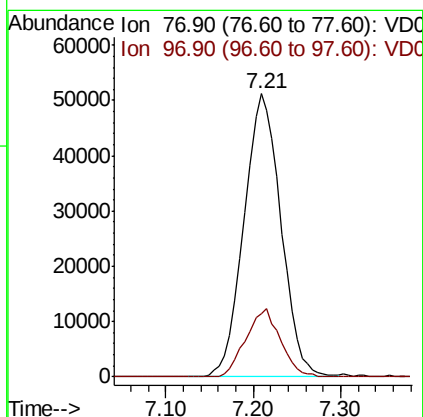
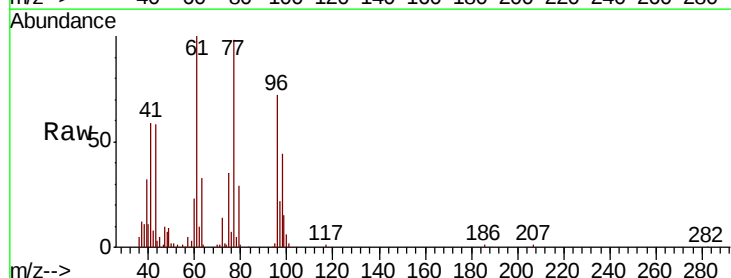
Acq: 26 Dec 2019 11:48

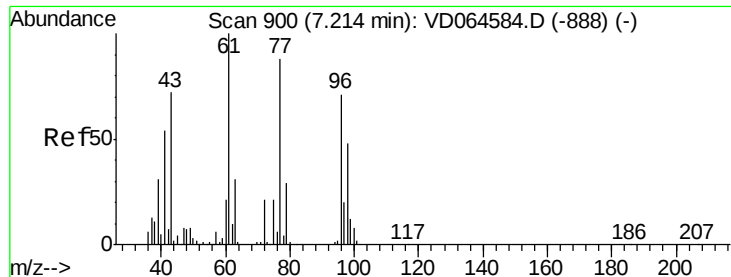
Tgt Ion: 77 Resp: 147197

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

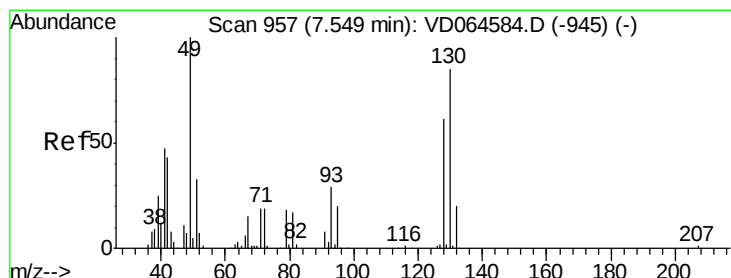
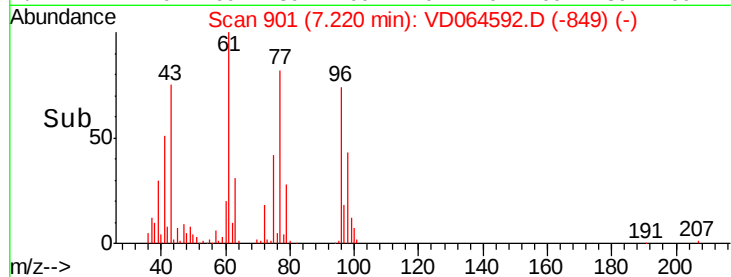
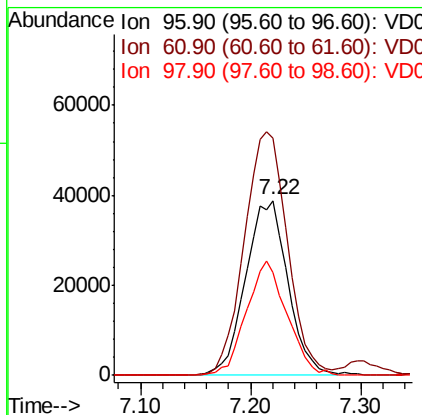
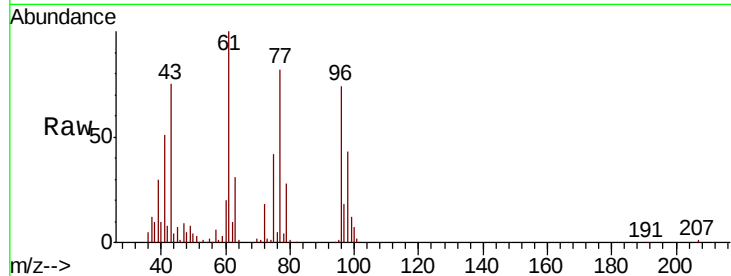
cis-1,2-Dichloroethene
Concen: 21.251 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.8	0.0	282.6	
98	62.7	0.0	130.8	

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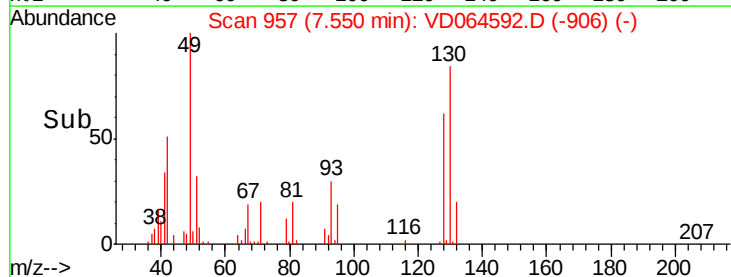
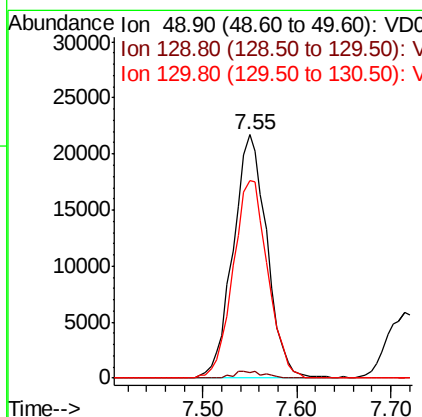
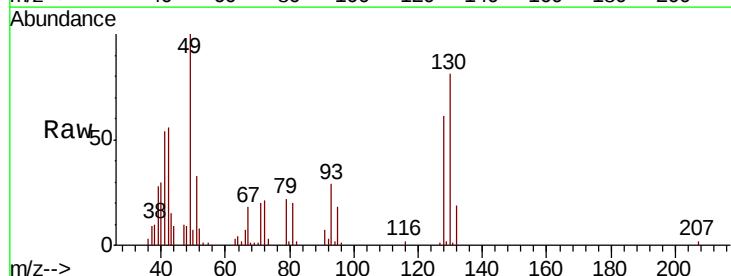
apatel
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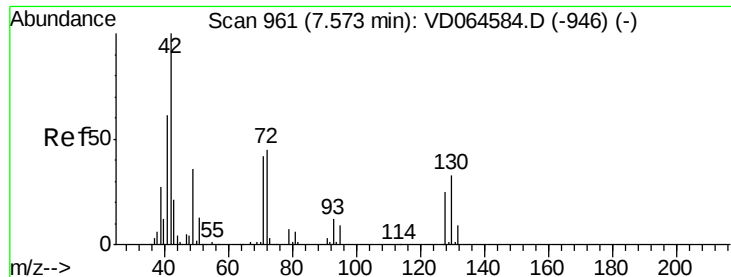


#28

Bromochloromethane
Concen: 18.655 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	83.3	65.0	97.6	





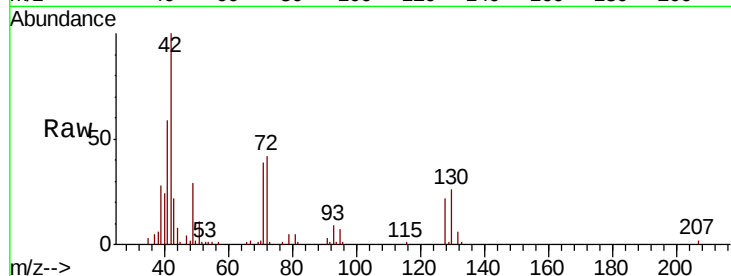
#29
Tetrahydrofuran
Concen: 109.896 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	35.0	52.4
71	38.7	32.9	49.3

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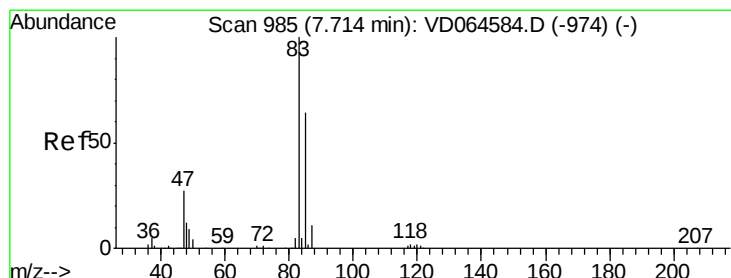
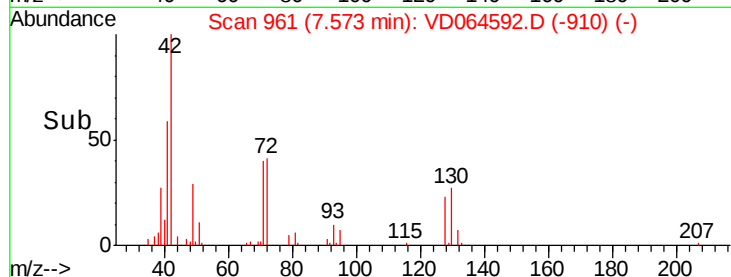
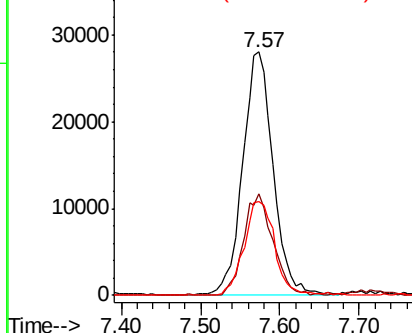


Abundance

Ion 42.00 (41.70 to 42.70): VDC

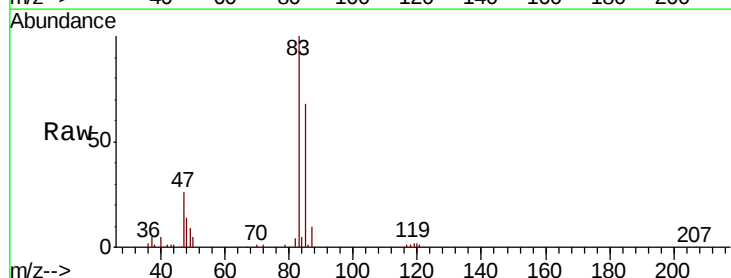
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30
Chloroform
Concen: 20.640 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

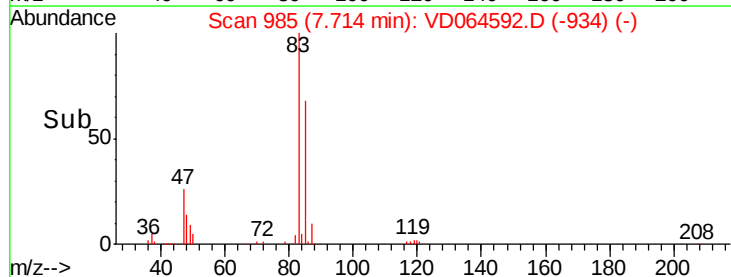
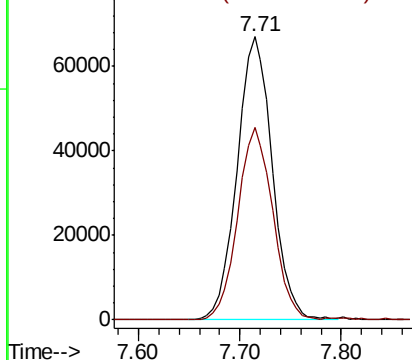
Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.1	76.7

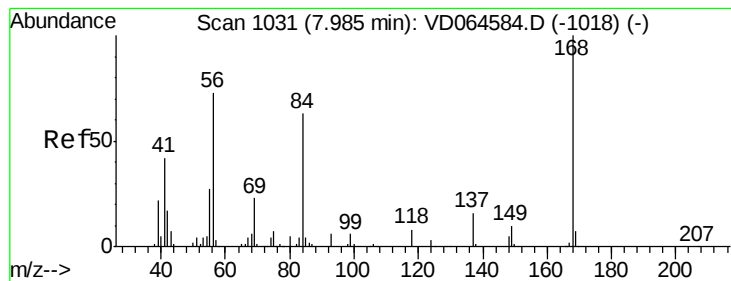


Abundance

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 21.017 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 56 Resp: 156751

Ion Ratio Lower Upper

56 100

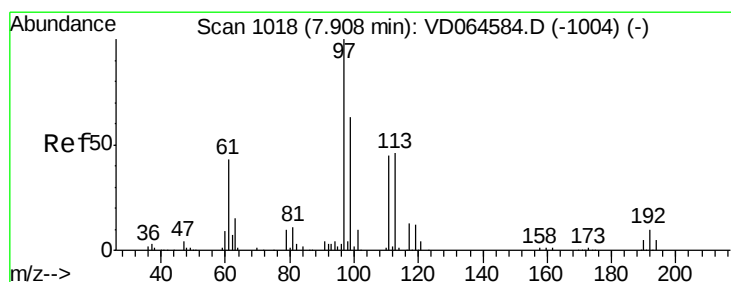
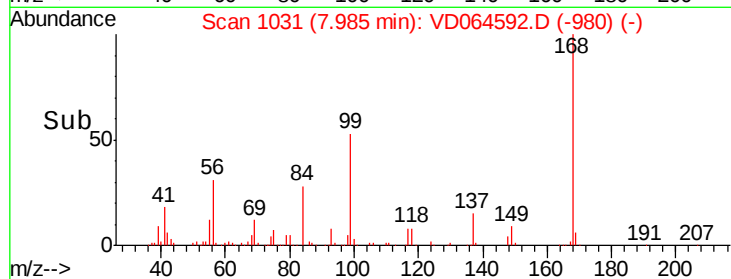
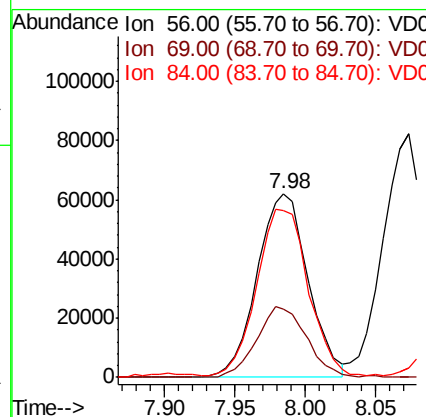
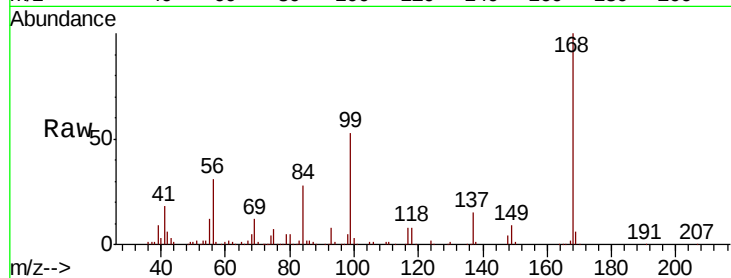
69 37.5 24.7 37.1#

84 89.2 69.4 104.2

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#32

1,1,1-Trichloroethane

Concen: 20.843 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

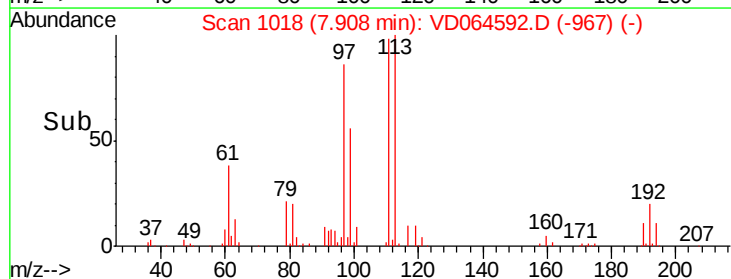
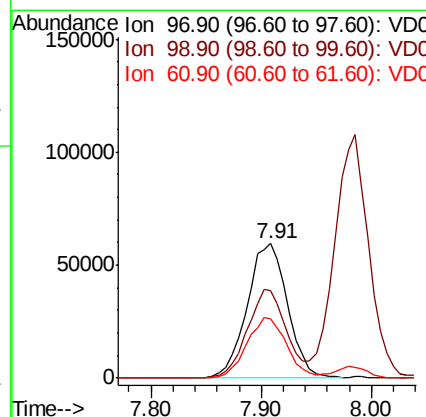
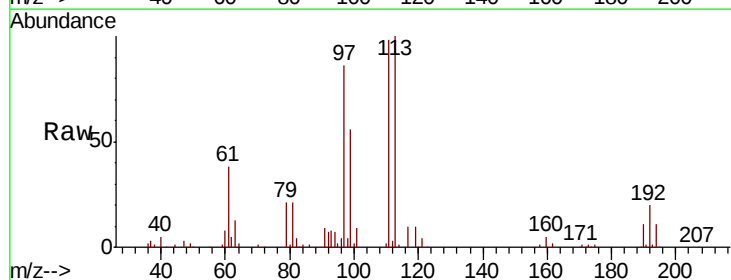
Tgt Ion: 97 Resp: 153039

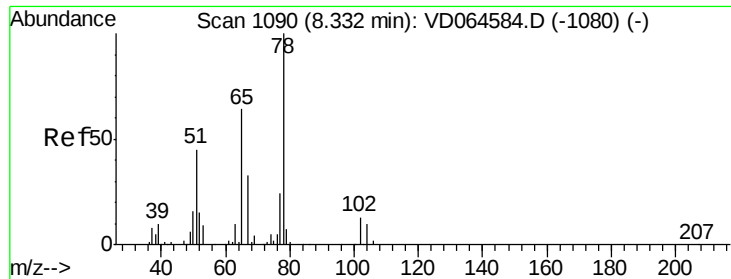
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.6

61 44.0 35.4 53.0





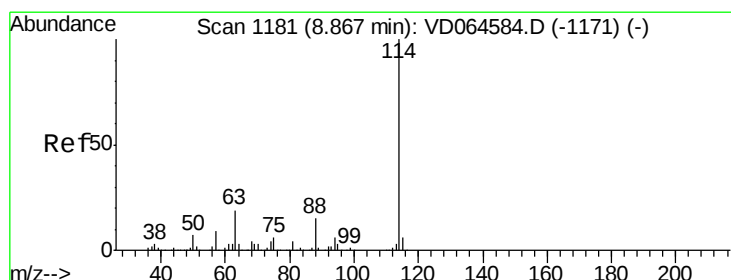
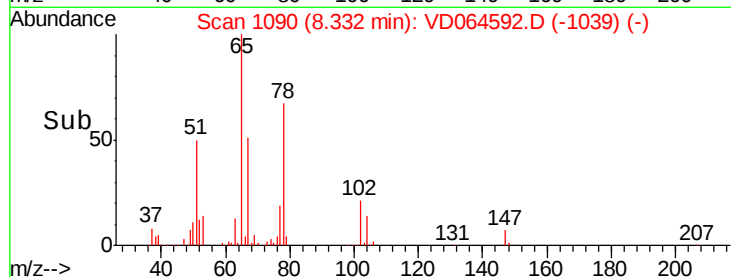
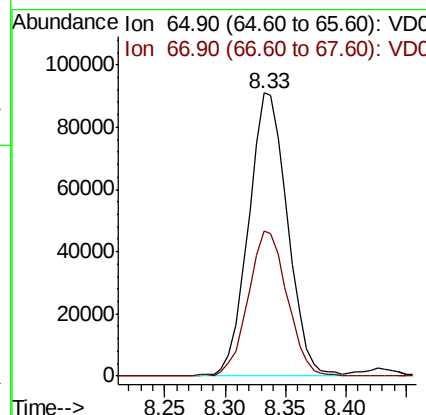
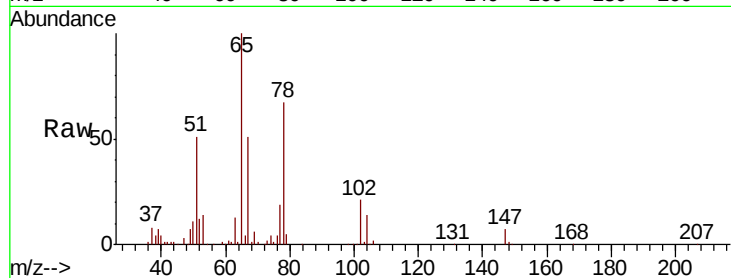
#33
 1,2-Dichloroethane-d4
 Concen: 51.008 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2

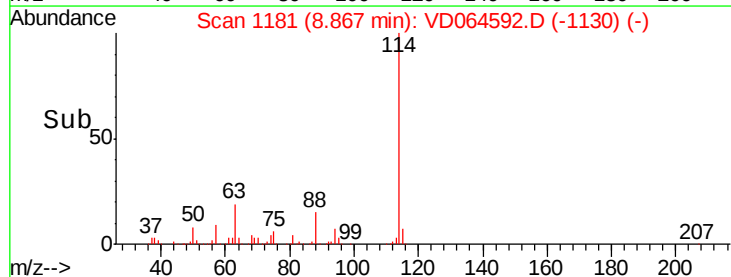
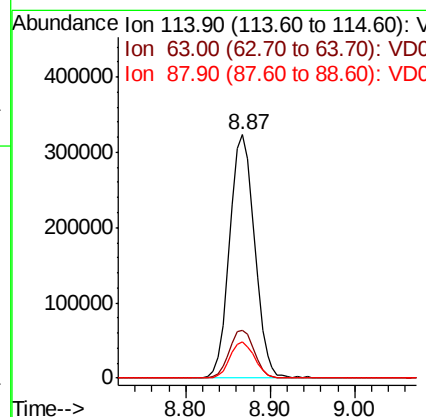
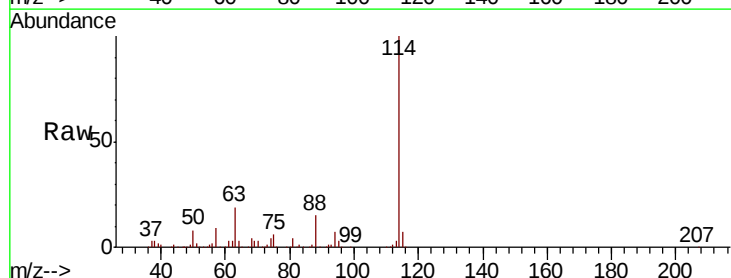
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.0
88	14.9	0.0	29.2





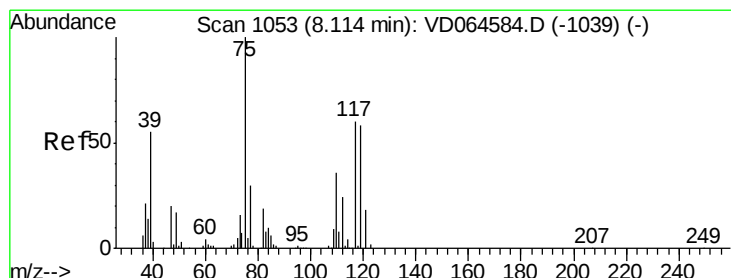
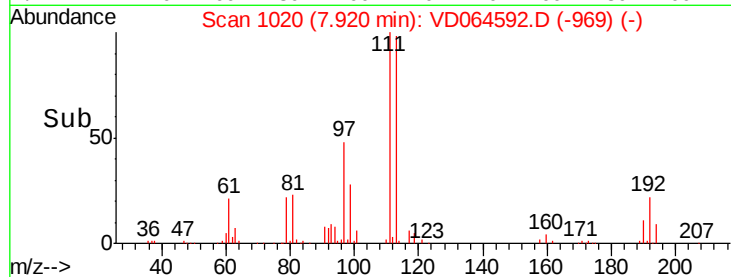
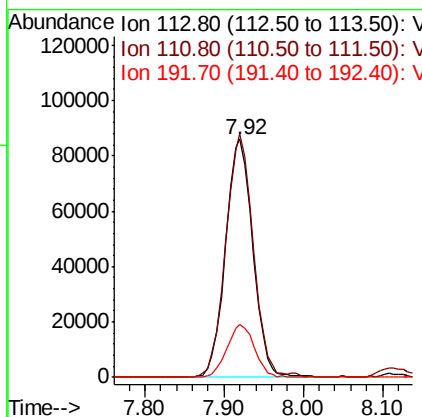
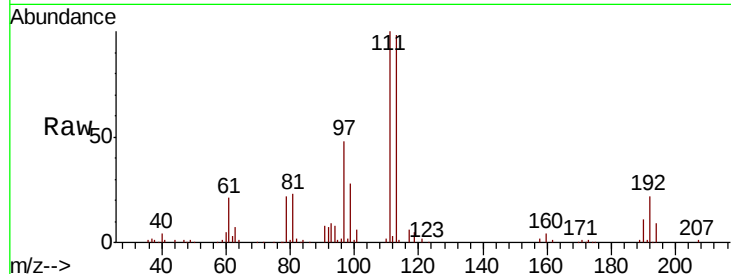
#35
 Dibromofluoromethane
 Concen: 50.690 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205151		
111	103.0	80.6	121.0	
192	22.3	17.9	26.9	

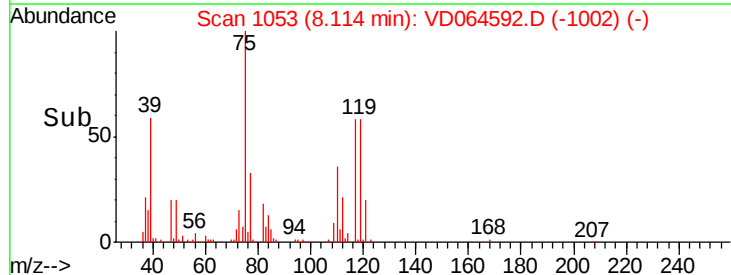
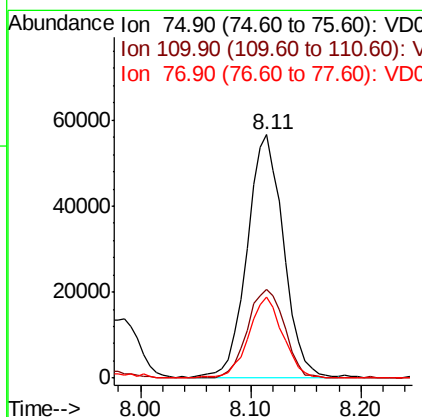
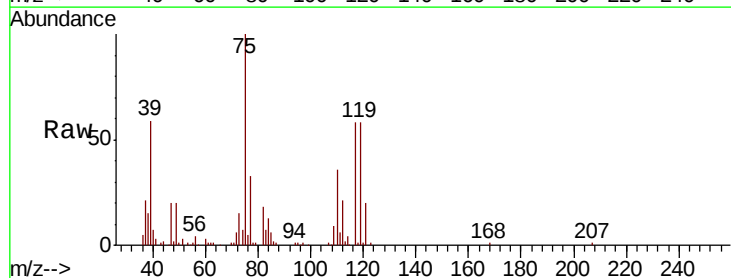
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#36
 1,1-Dichloropropene
 Concen: 20.451 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129847		
110	37.6	18.1	54.1	
77	31.9	24.2	36.4	





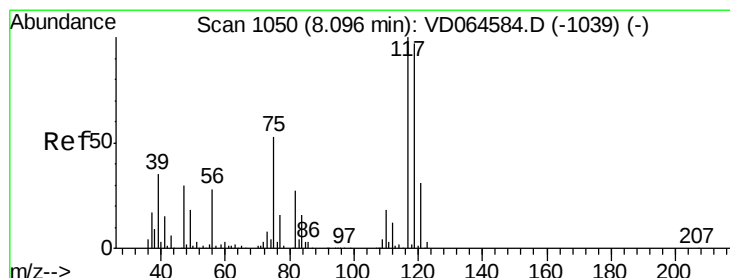
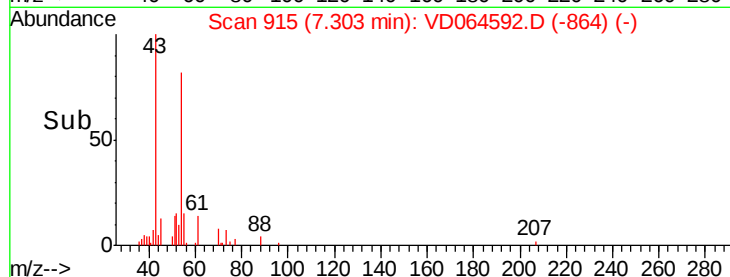
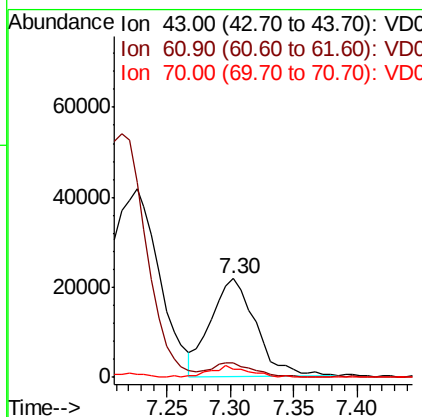
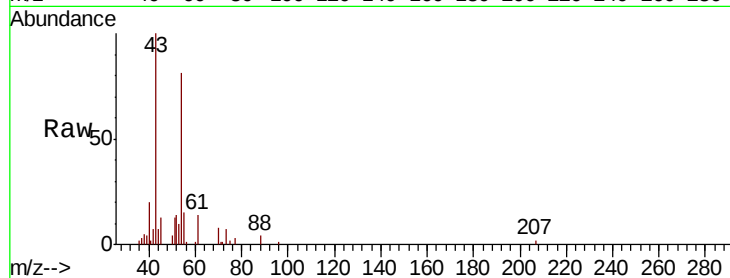
#37
Ethyl Acetate
Concen: 21.473 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS001

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.3	15.5
70	10.2	7.6	11.4

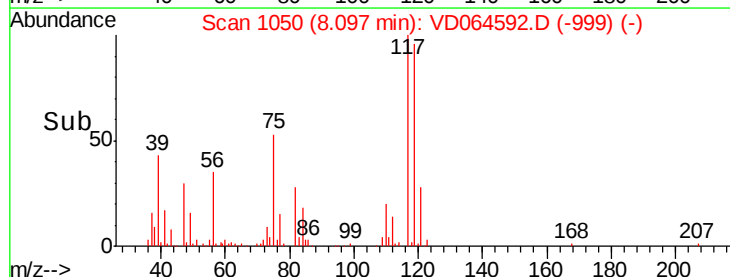
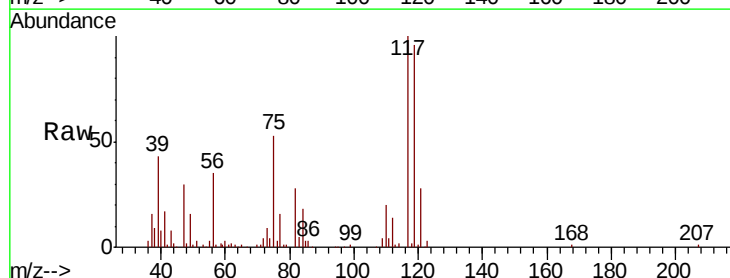
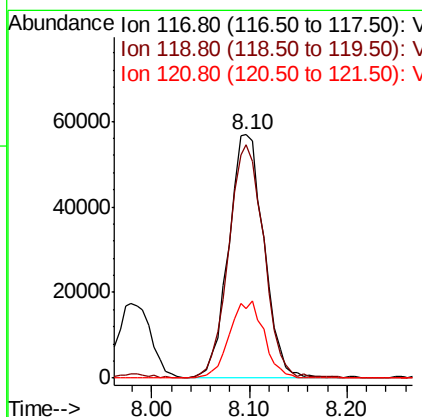
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#38
Carbon Tetrachloride
Concen: 21.175 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.3	115.9
121	28.5	25.0	37.6





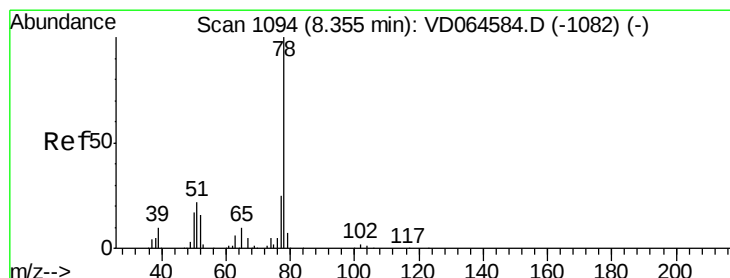
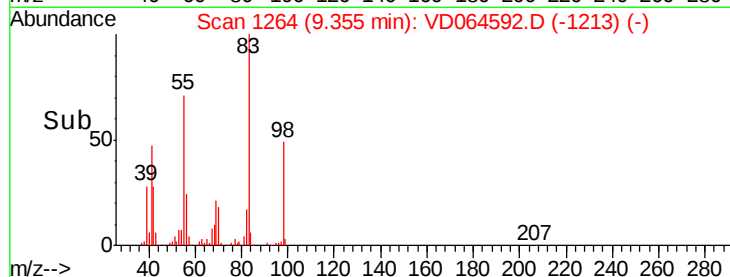
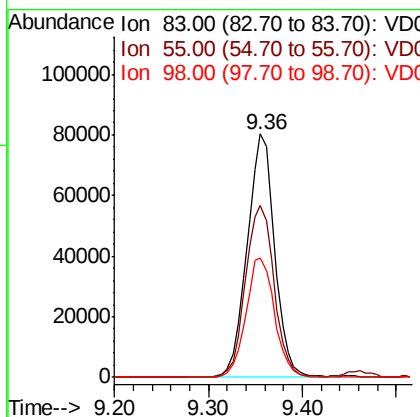
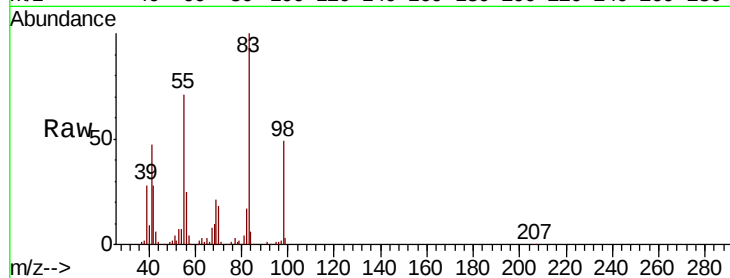
#39
Methvlcvclohexane
Concen: 21.180 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	57.8	86.6
98	49.3	38.7	58.1

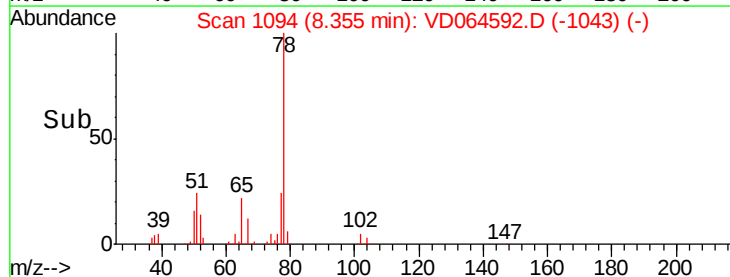
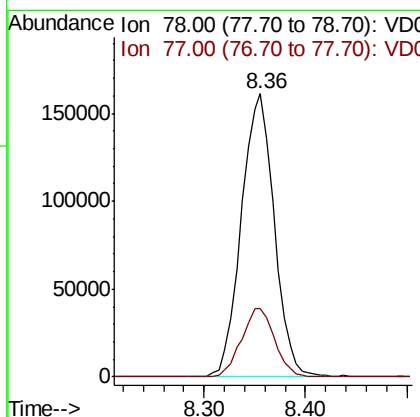
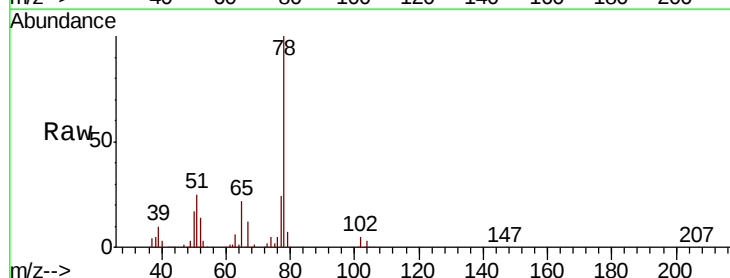
Manual Integrations
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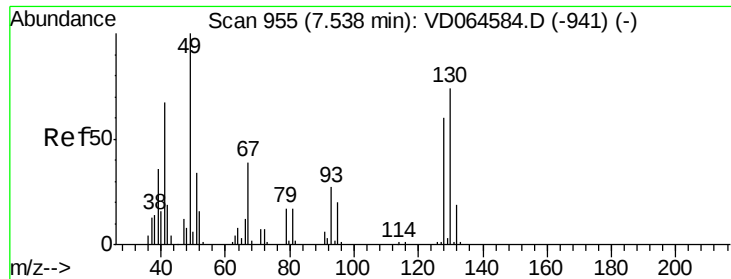
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#40
Benzene
Concen: 20.858 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9





#41

Methacrylonitrile

Concen: 17.999 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 41 Resp: 26048

Ion Ratio Lower Upper

41 100

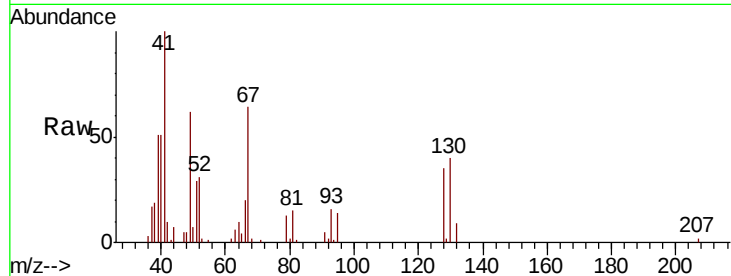
39 73.4 46.7 70.1#

67 81.0 52.5 78.7#

52 36.4 24.1 36.1#

Manual Integrations
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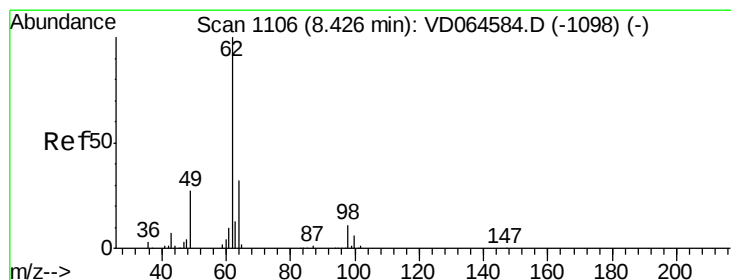
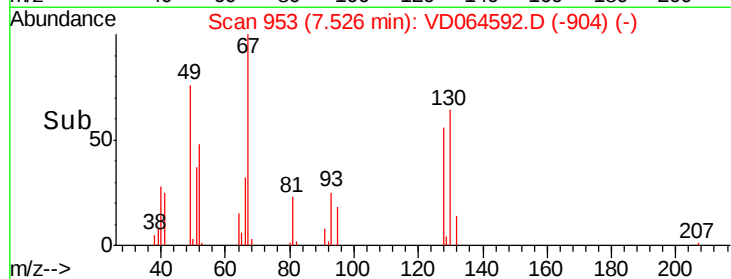
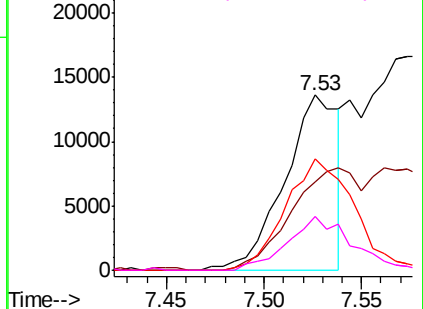
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.464 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064592.D

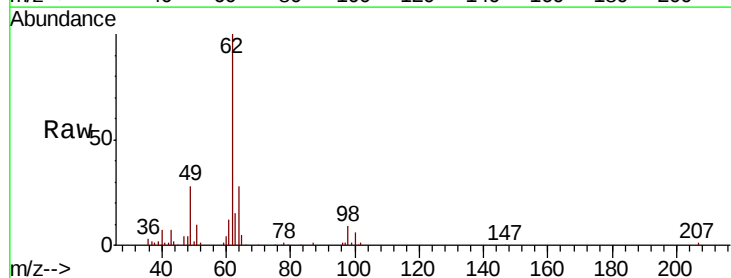
Acq: 26 Dec 2019 11:48

Tgt Ion: 62 Resp: 107505

Ion Ratio Lower Upper

62 100

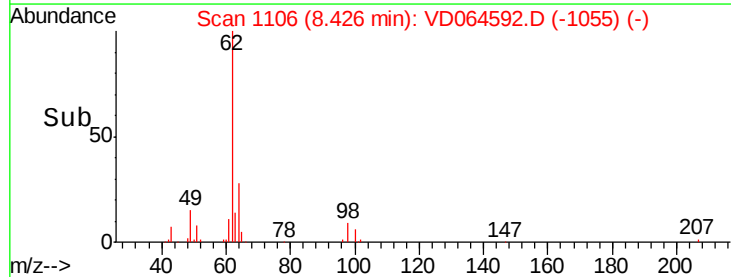
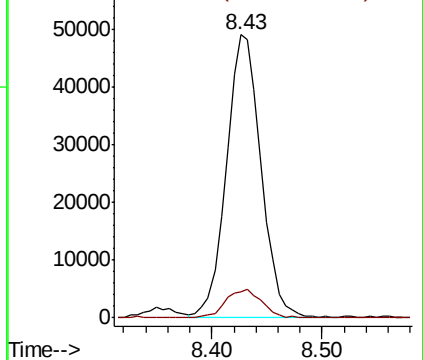
98 10.5 0.0 20.0

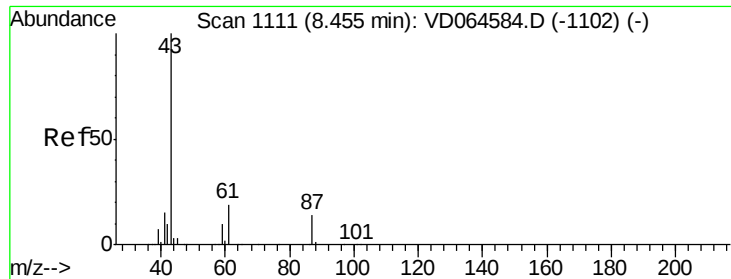


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.149 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

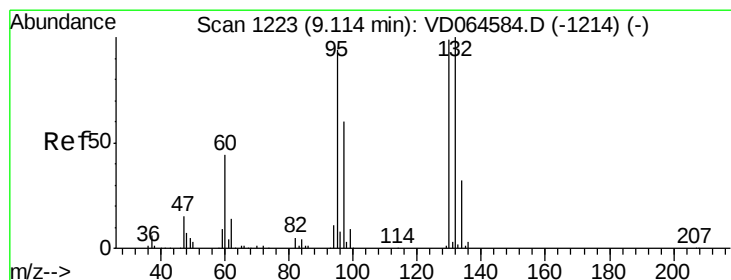
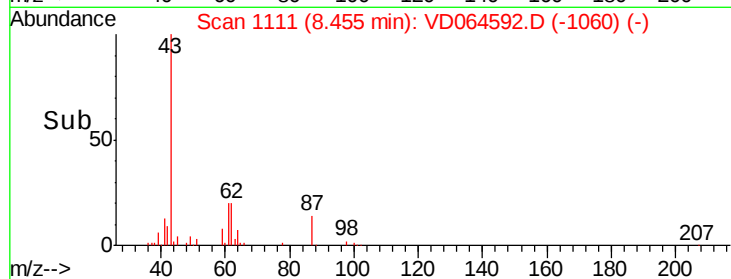
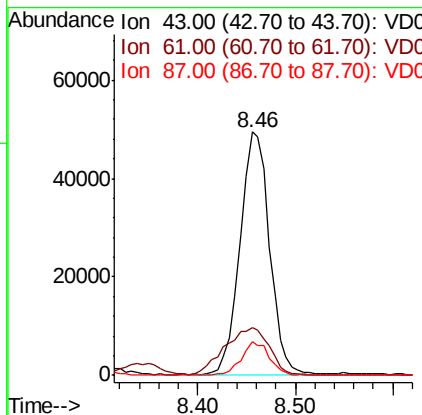
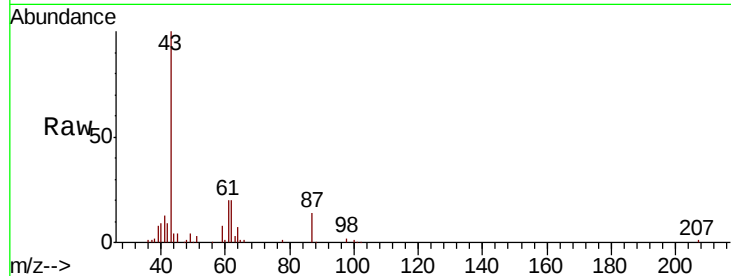
ClientSampleId :

VD1226SBS01

Tot Ion:	43	Resp:	104996
Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.7	35.5
87	13.0	10.5	15.7

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#44

Trichloroethene

Concen: 21.044 ug/l

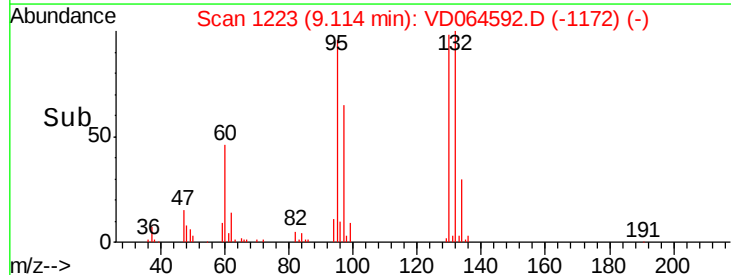
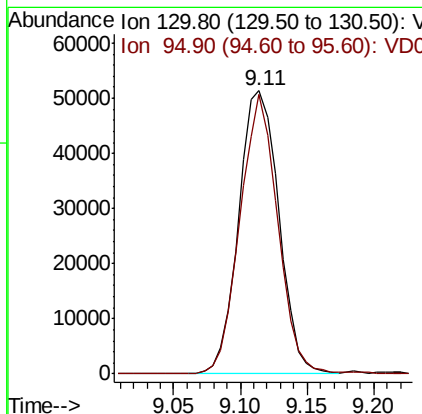
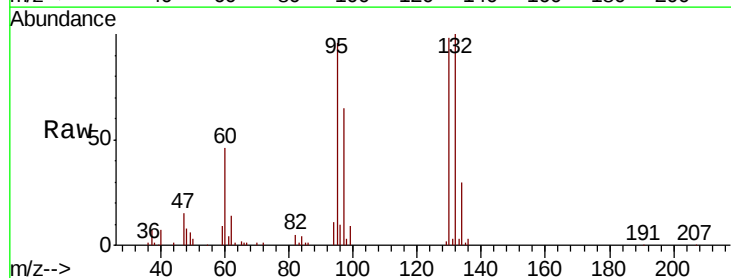
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion:	130	Resp:	107150
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	190.2





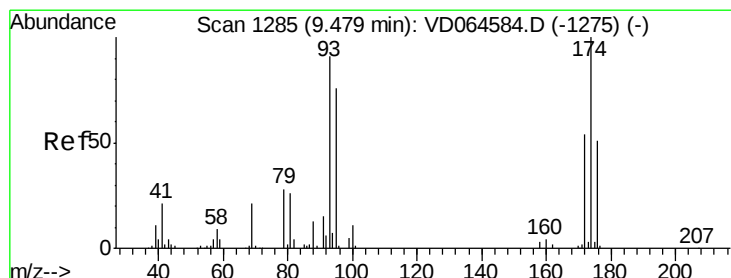
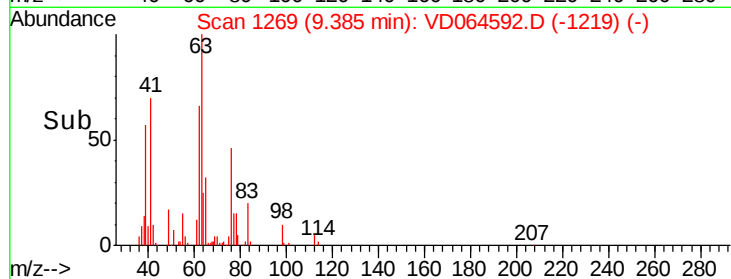
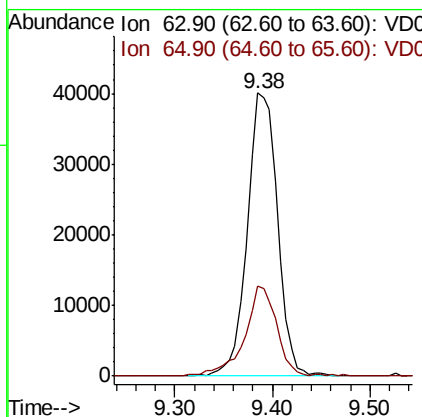
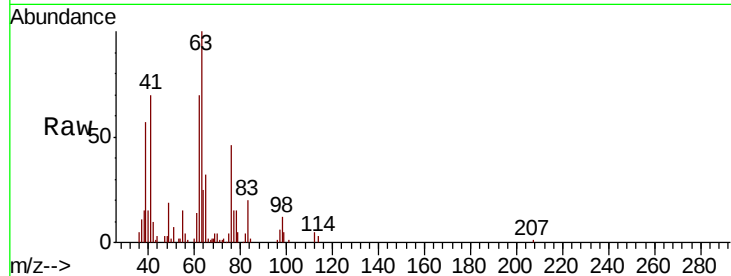
#45
 1,2-Dichloropropane
 Concen: 20.941 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion: 63 Resp: 86663
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.2 37.8

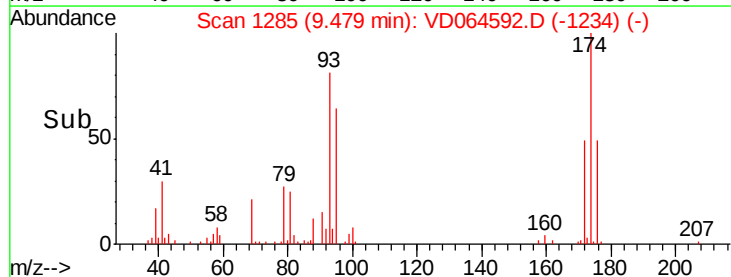
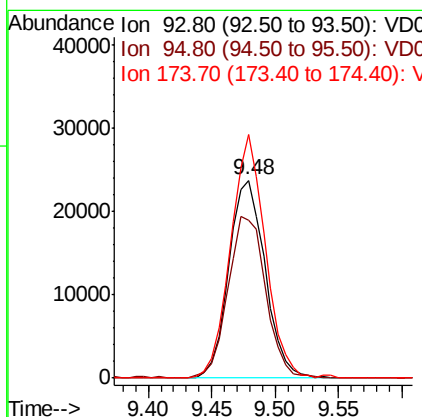
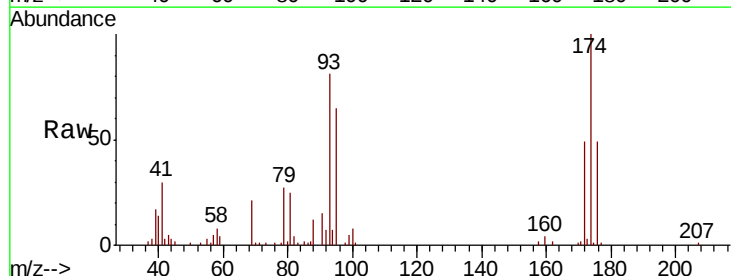
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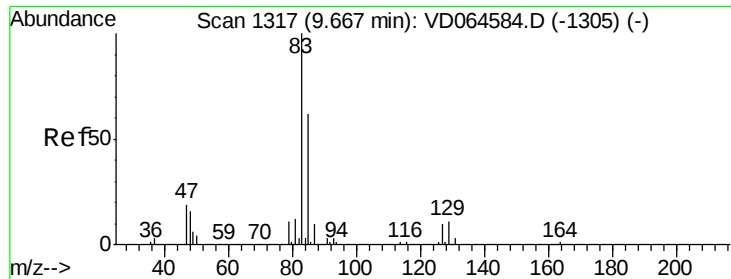
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#46
 Dibromomethane
 Concen: 20.333 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 93 Resp: 46914
 Ion Ratio Lower Upper
 93 100
 95 84.6 64.6 97.0
 174 117.4 88.1 132.1





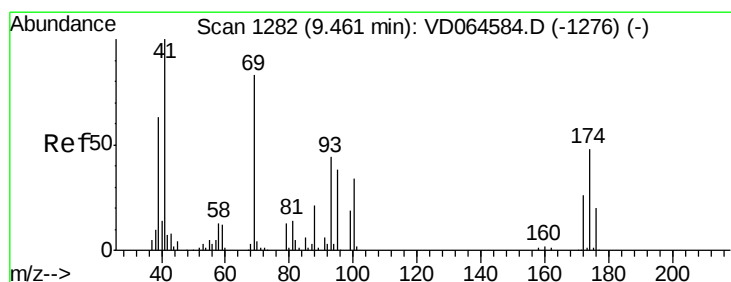
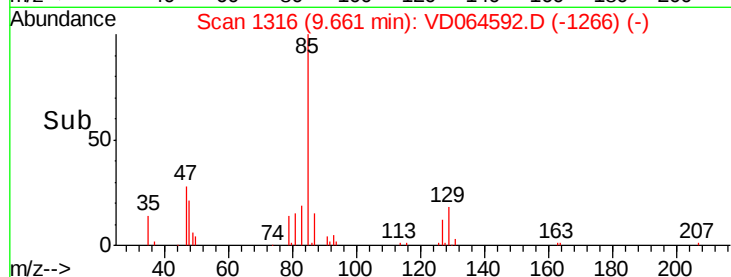
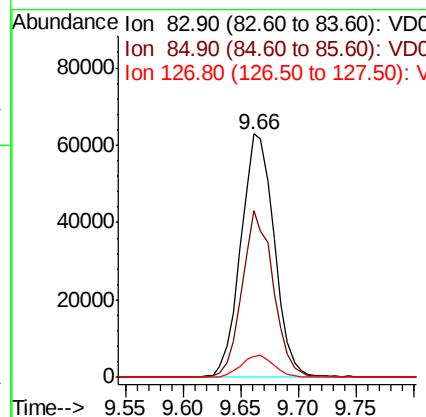
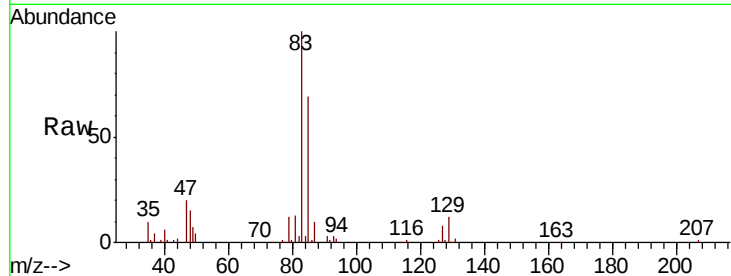
#47
Bromodichloromethane
Concen: 20.517 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125969		
85	68.8	49.5	74.3	
127	8.5	7.8	11.6	

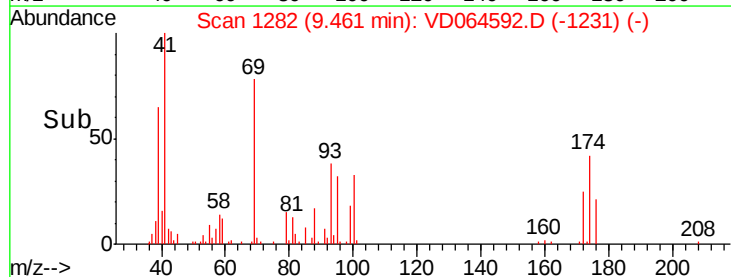
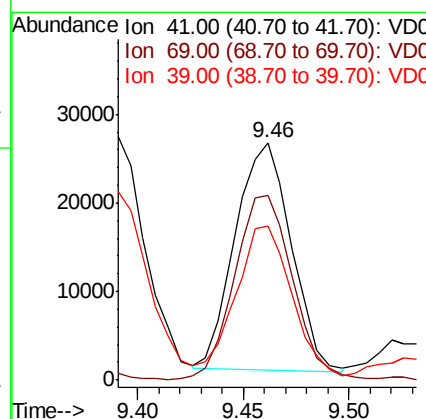
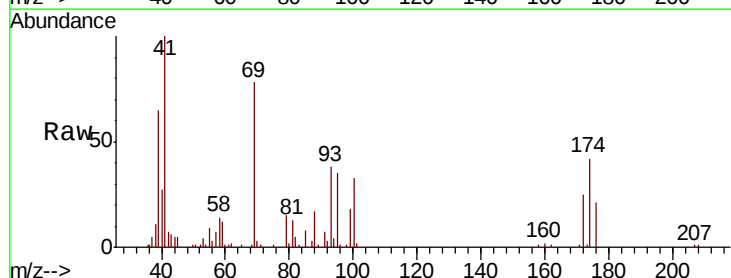
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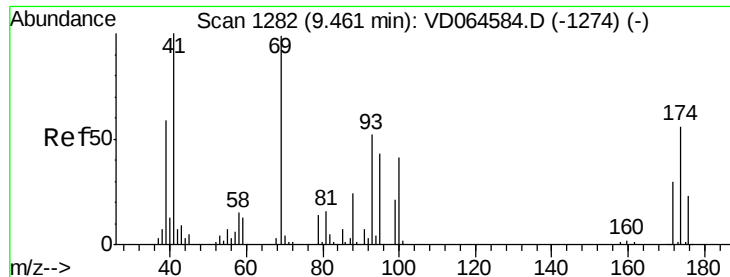
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#48
Methyl methacrylate
Concen: 20.110 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	47011		
69	85.3	63.0	94.6	
39	65.5	47.4	71.2	





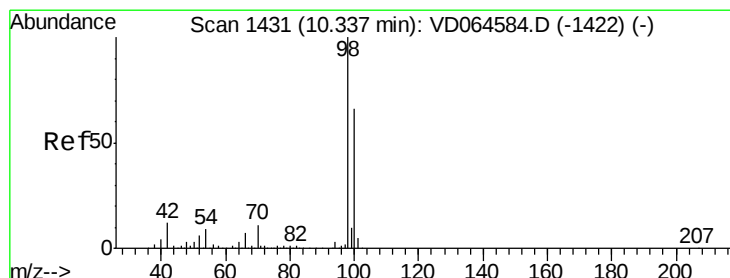
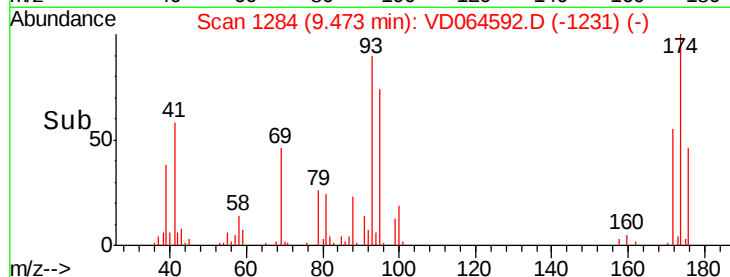
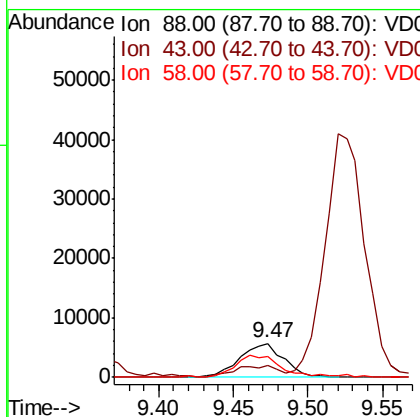
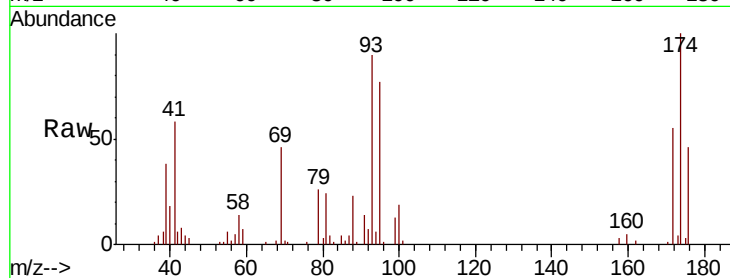
#49
1,4-Dioxane
Concen: 432.554 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.7	41.5
58	71.0	53.8	80.6

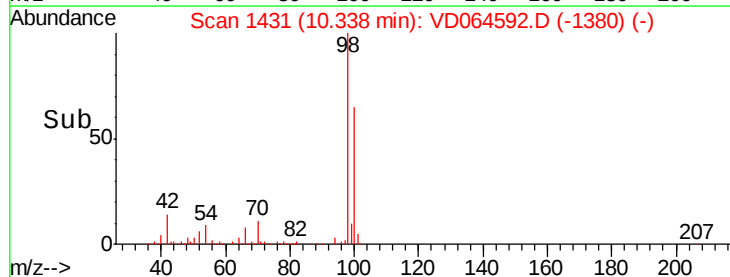
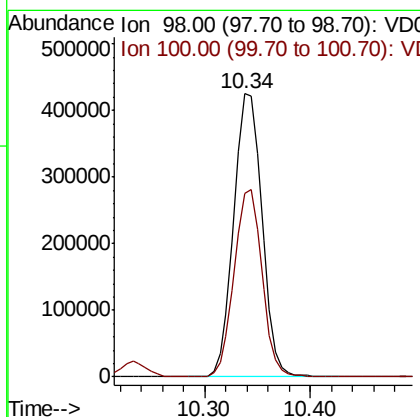
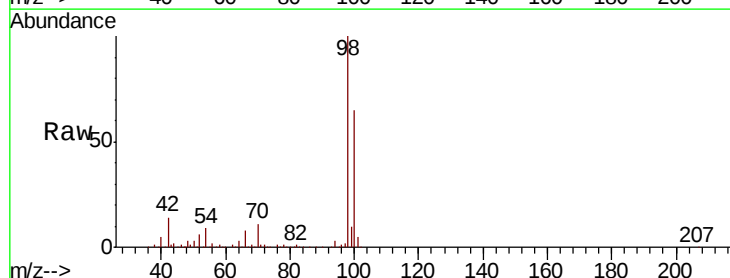
Manual Integrations
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#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 103.424 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 253797

Ion Ratio Lower Upper

43 100

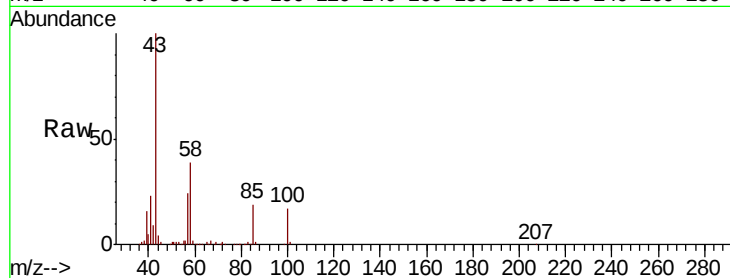
58 39.7 30.2 45.2

Manual Integrations

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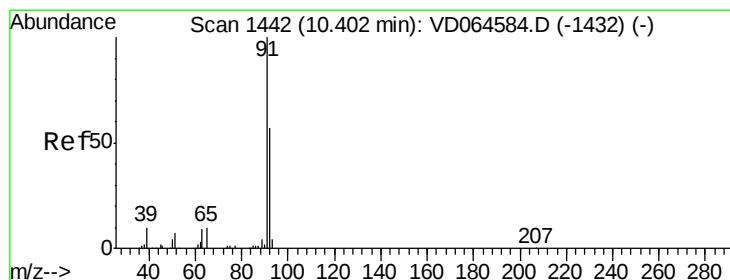
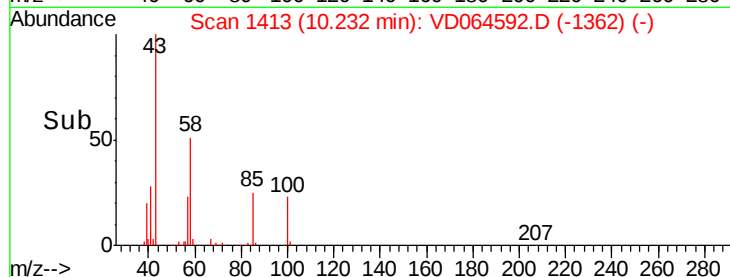
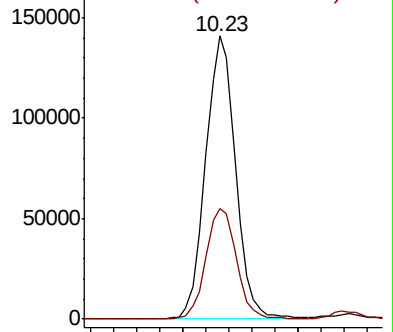
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.330 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064592.D

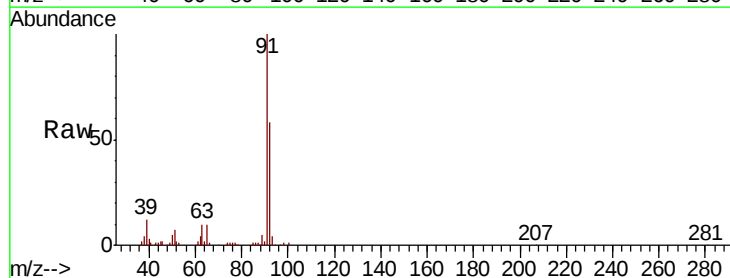
Acq: 26 Dec 2019 11:48

Tgt Ion: 92 Resp: 231183

Ion Ratio Lower Upper

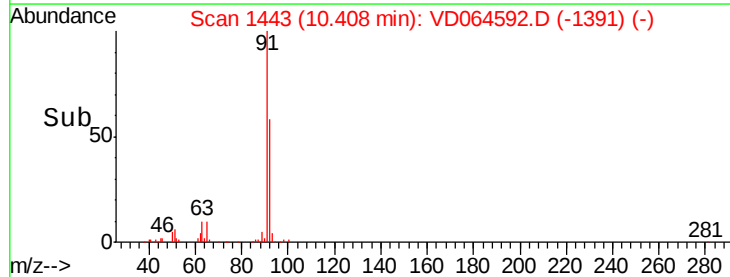
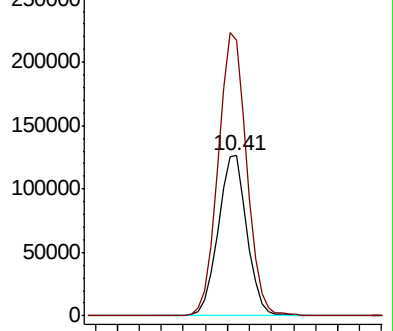
92 100

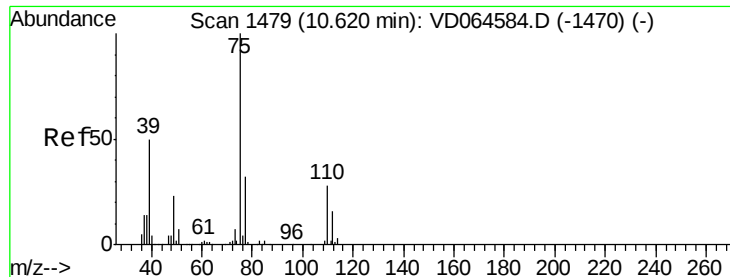
91 175.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





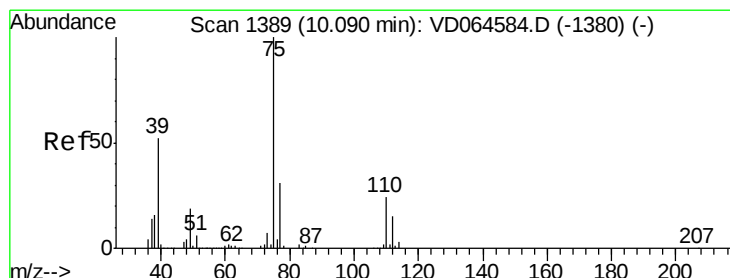
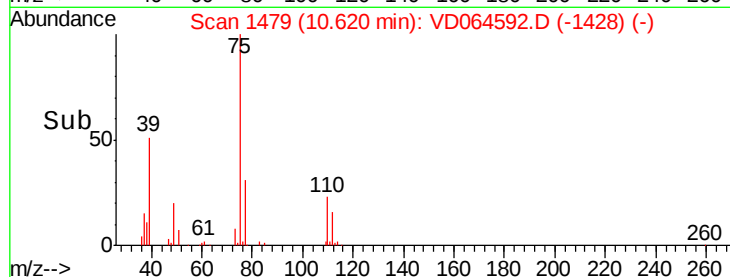
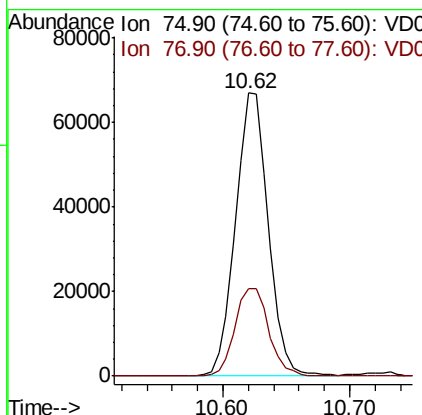
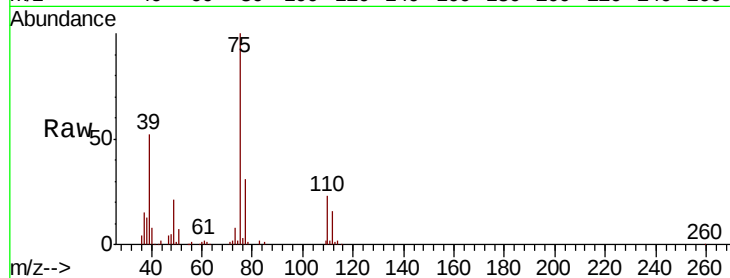
#53
 t-1,3-Dichloropropene
 Concen: 20.923 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion: 75 Resp: 119764
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2

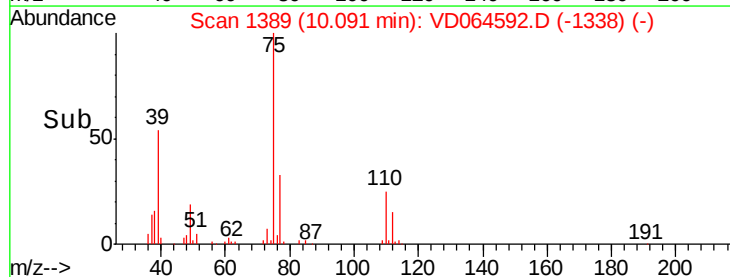
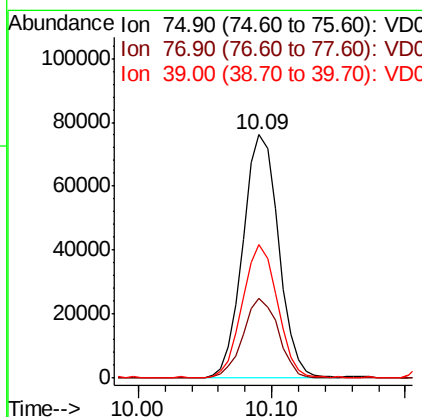
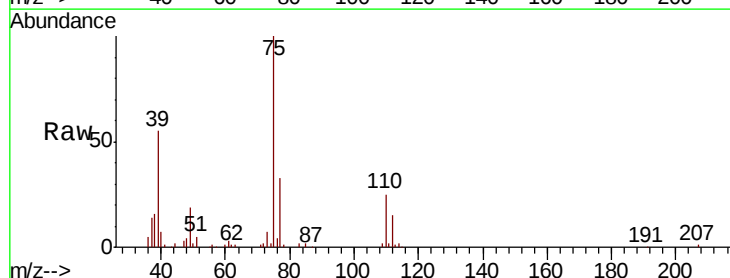
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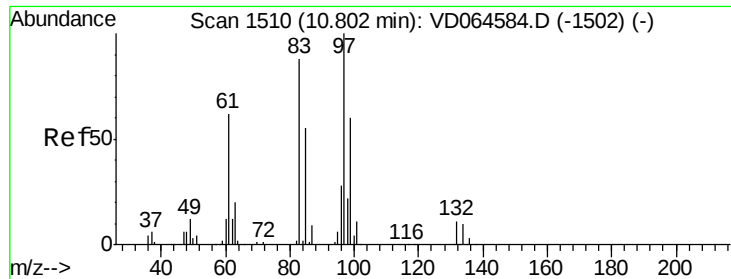
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#54
 cis-1,3-Dichloropropene
 Concen: 20.915 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 75 Resp: 141165
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.6 36.8
 39 54.6 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 21.118 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

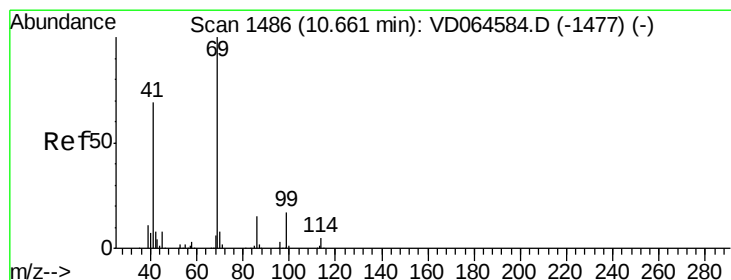
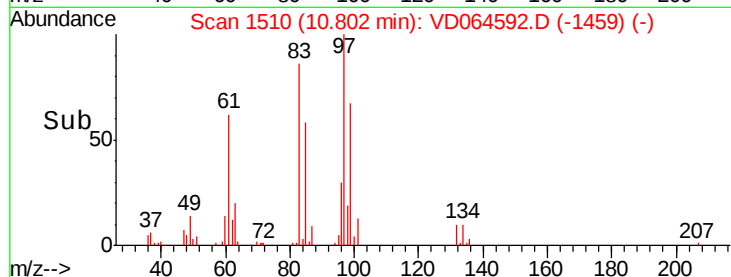
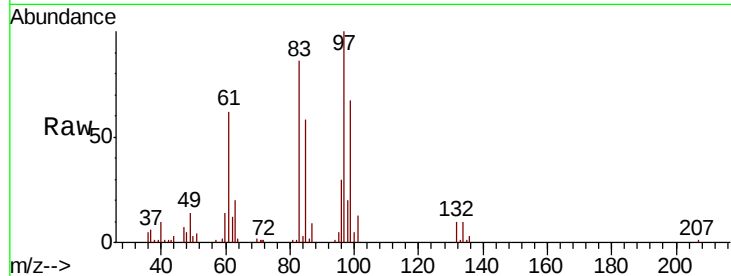
ClientSampleId :

VD1226SBSD01

Tot Ion:	97	Resp:	65667
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	58.3	44.0	66.0
99	67.2	47.8	71.6

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#56

Ethyl methacrylate

Concen: 20.507 ug/l

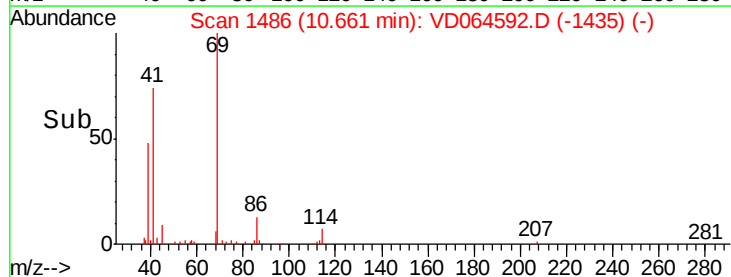
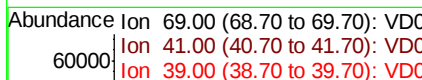
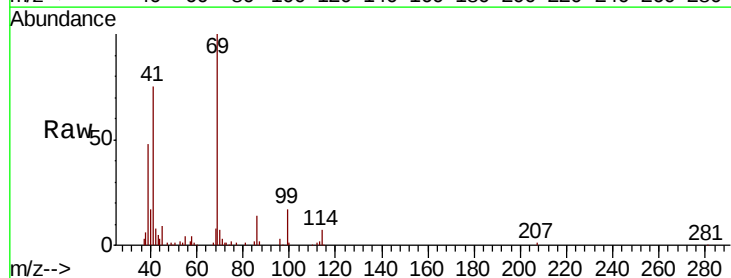
RT: 10.66 min Scan# 1486

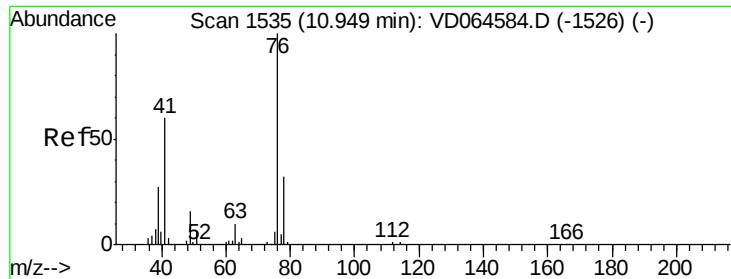
Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion:	69	Resp:	79635
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.3	82.9
39	44.1	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.948 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 76 Resp: 112155

Ion Ratio Lower Upper

76 100

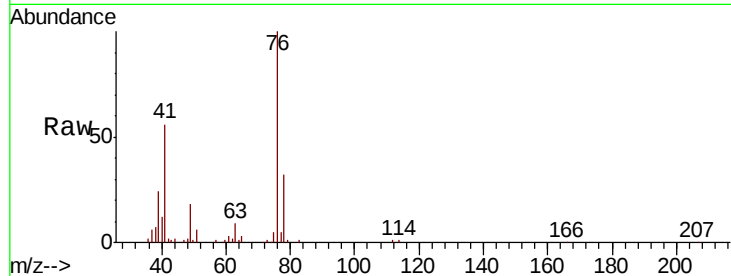
78 32.9 26.2 39.4

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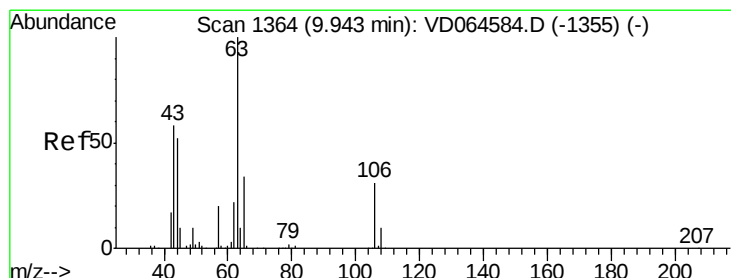
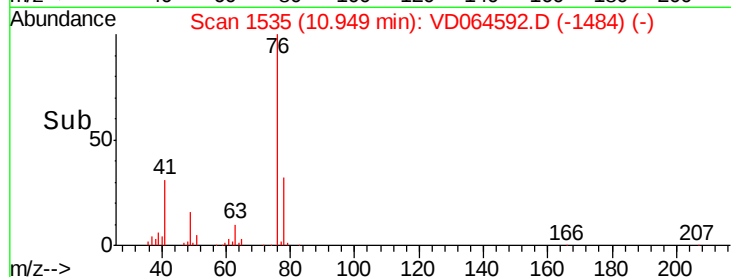
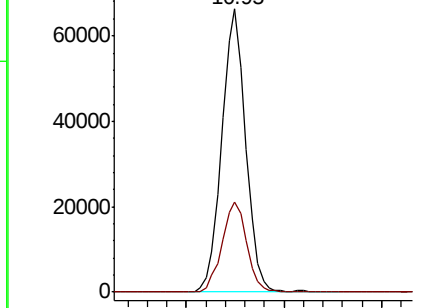
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.224 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064592.D

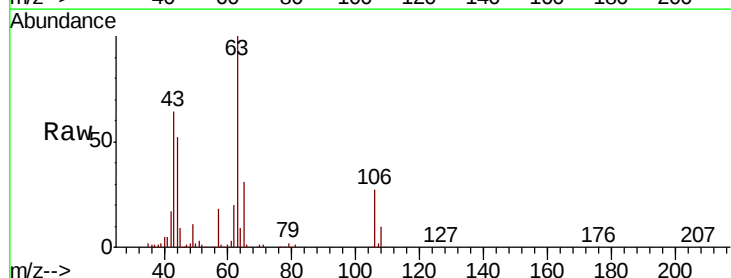
Acq: 26 Dec 2019 11:48

Tgt Ion: 63 Resp: 155681

Ion Ratio Lower Upper

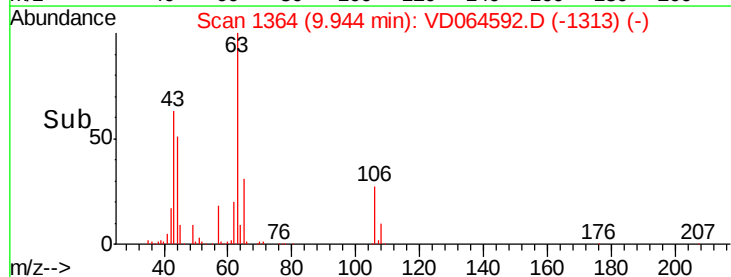
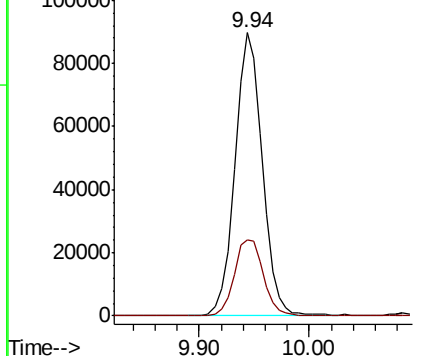
63 100

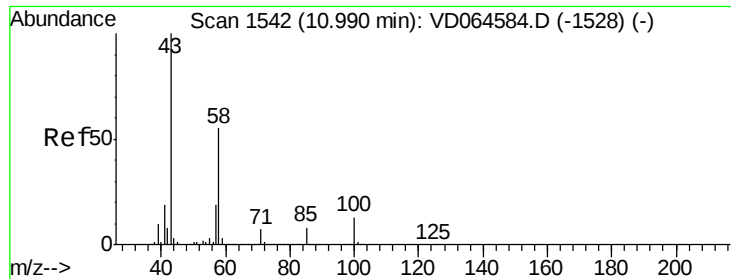
106 28.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





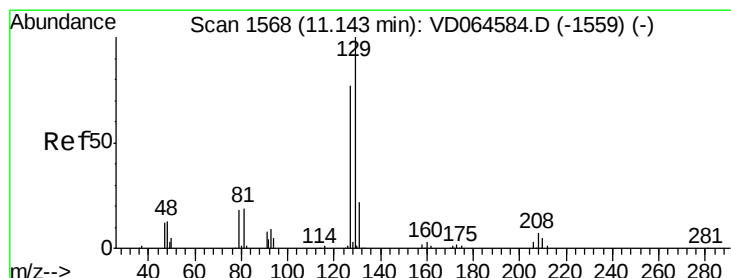
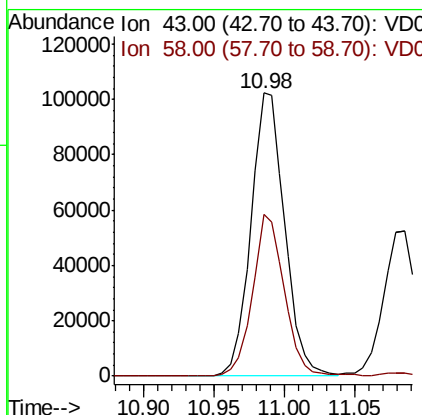
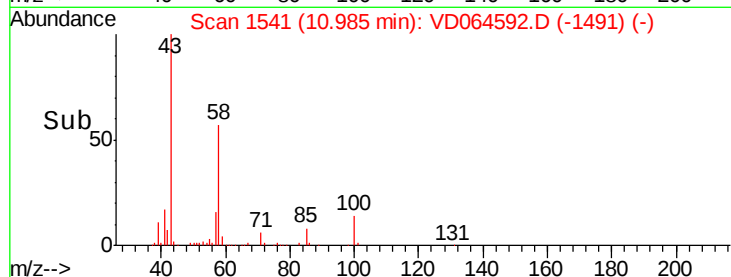
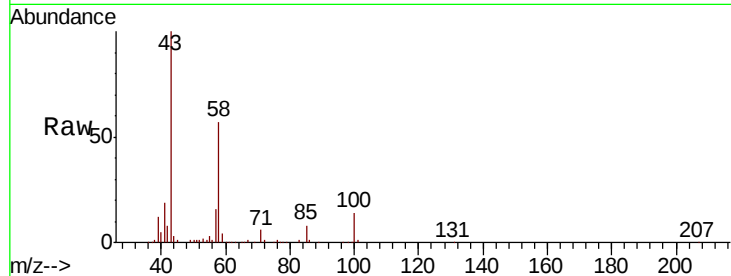
#59
2-Hexanone
Concen: 103.529 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 43 Resp: 172432
Ion Ratio Lower Upper
43 100
58 53.7 26.4 79.0

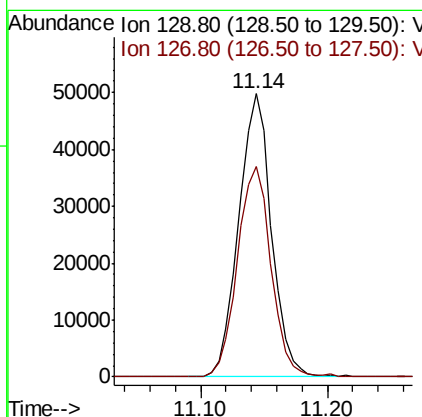
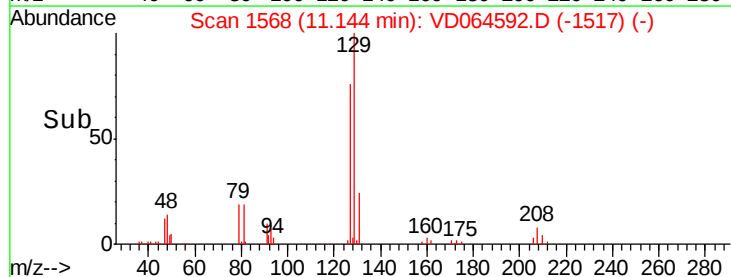
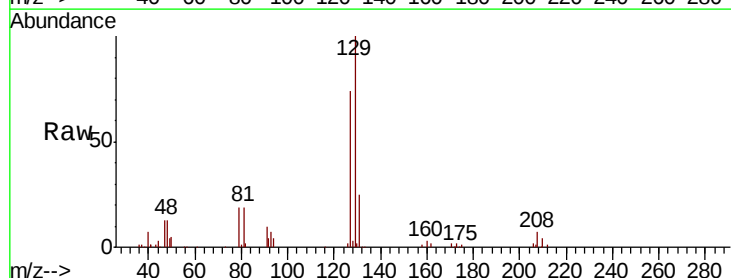
Manual Integrations
APPROVED

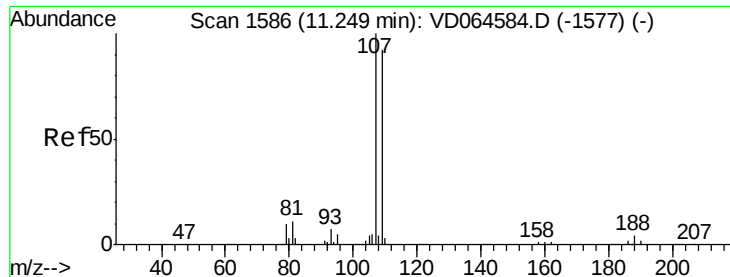
apatel
12/27/2019 2:07:06 PM



#60
Dibromochloromethane
Concen: 20.696 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 129 Resp: 88992
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





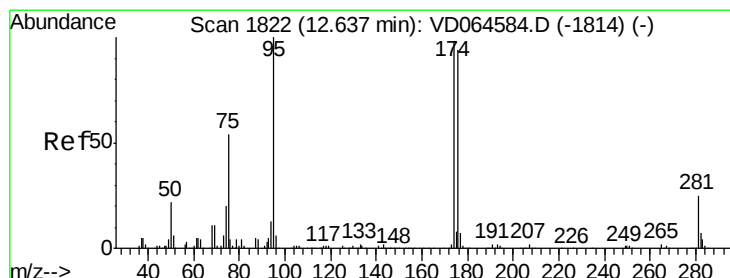
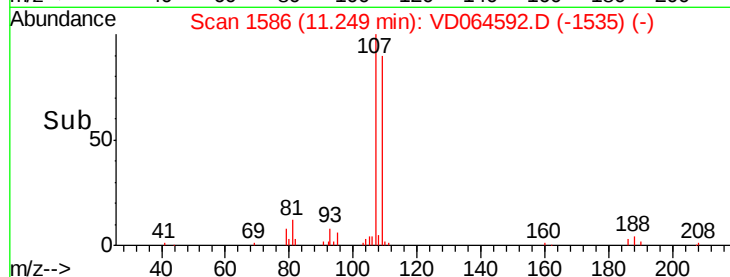
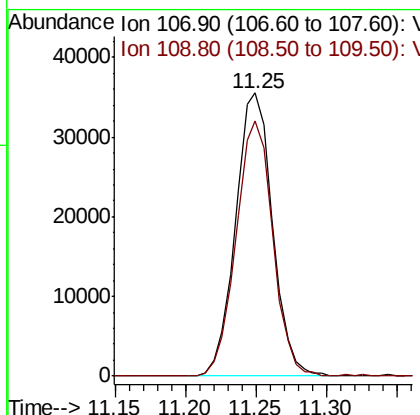
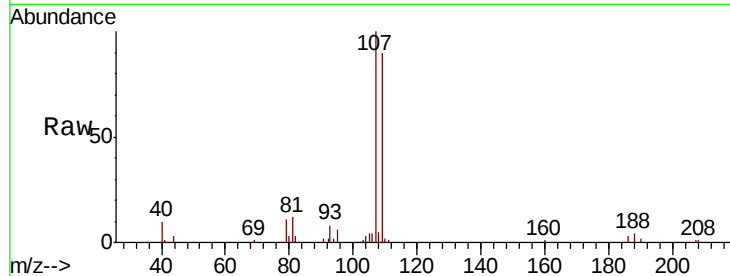
#61
 1,2-Dibromoethane
 Concen: 21.129 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBSD01

Tot Ion: 107 Resp: 64802
 Ion Ratio Lower Upper
 107 100
 109 89.6 75.6 113.4

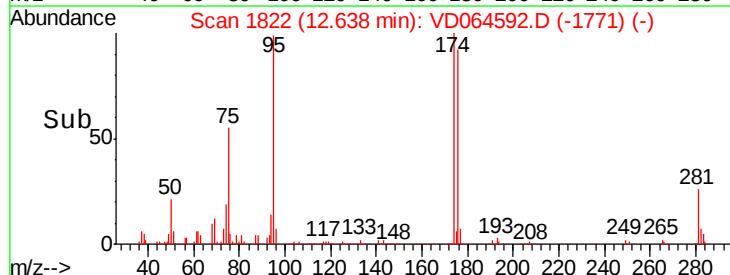
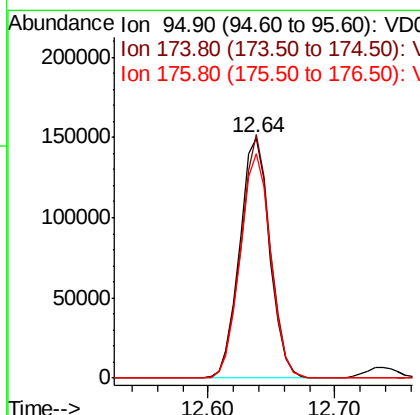
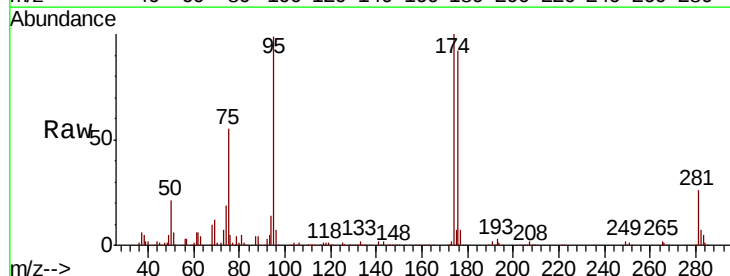
Manual Integrations
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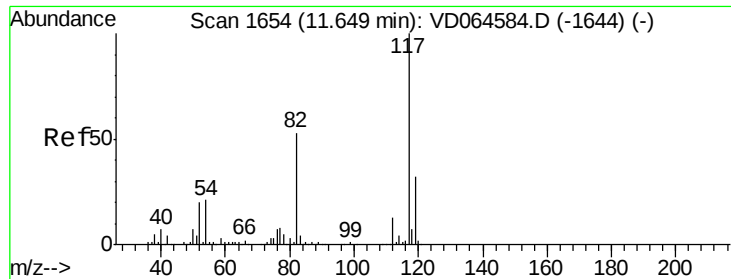
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.103 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion: 95 Resp: 245571
 Ion Ratio Lower Upper
 95 100
 174 99.6 0.0 193.2
 176 94.6 0.0 184.2





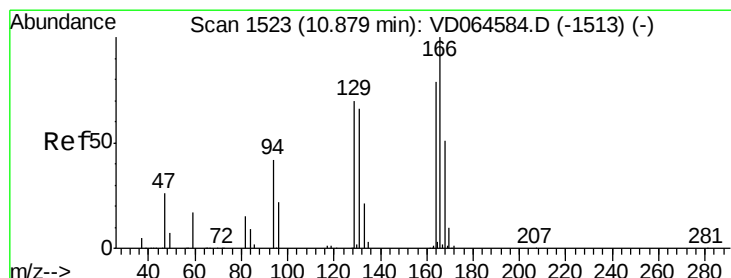
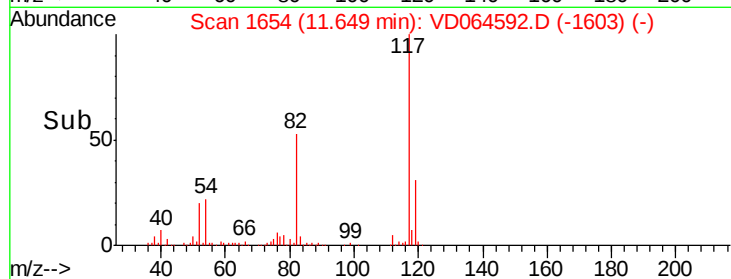
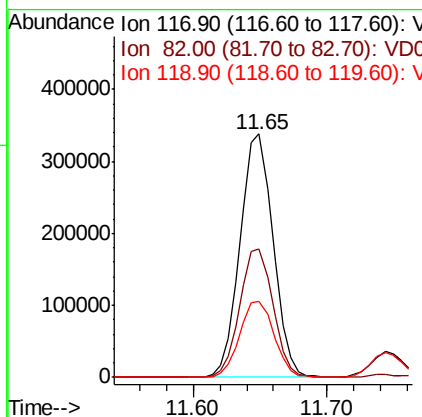
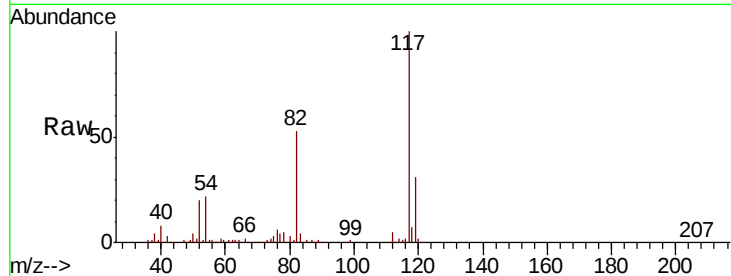
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	31.4	26.0	39.0

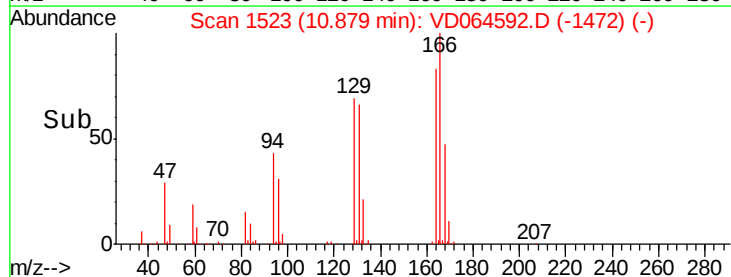
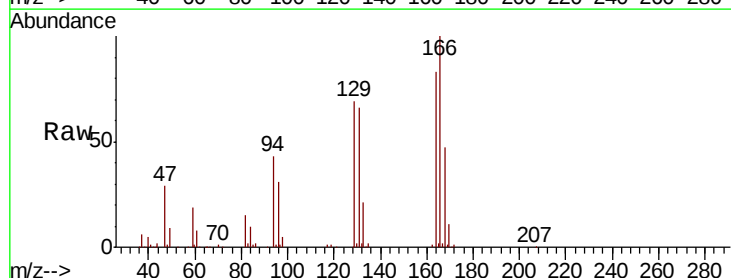
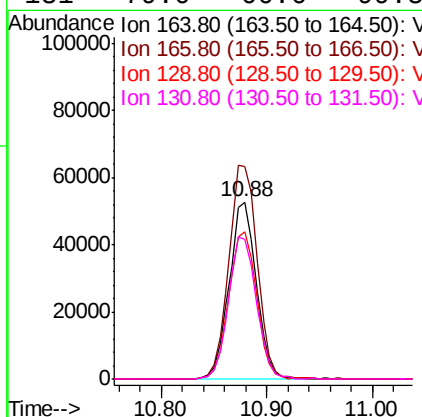
Manual Integrations
APPROVED

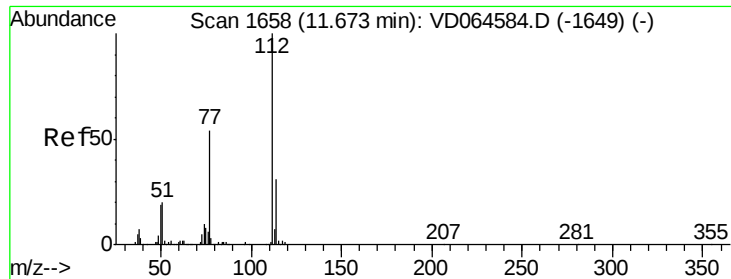
apatel
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#64
Tetrachloroethene
Concen: 20.901 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.6	101.3	151.9
129	82.9	70.5	105.7
131	79.0	66.6	99.8





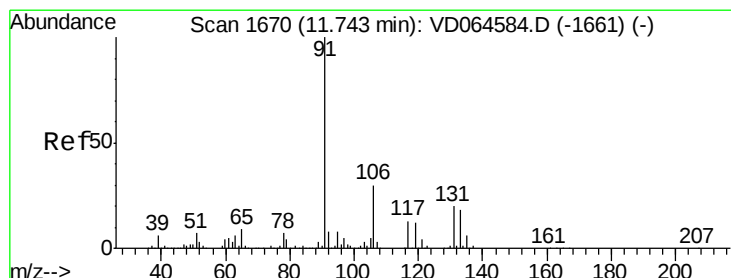
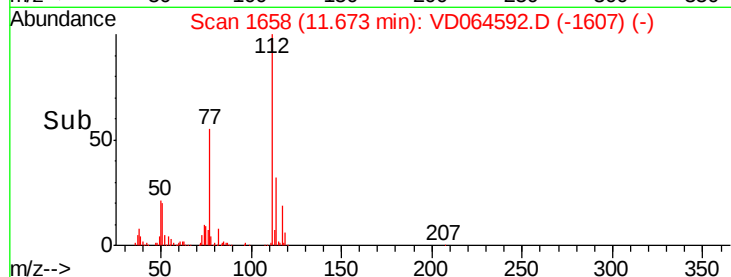
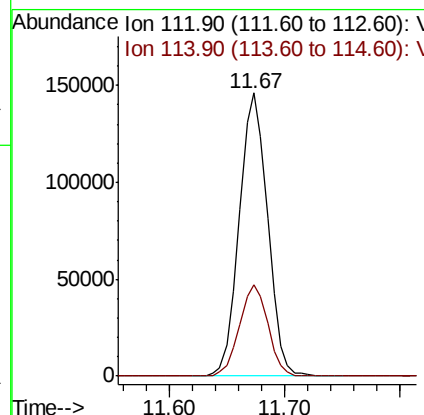
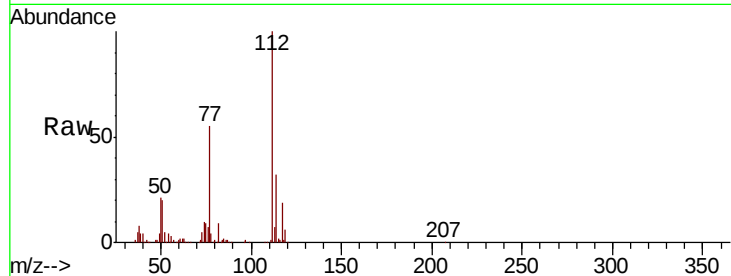
#65
Chlorobenzene
Concen: 20.591 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	248358		
114	32.3	24.8	37.2	

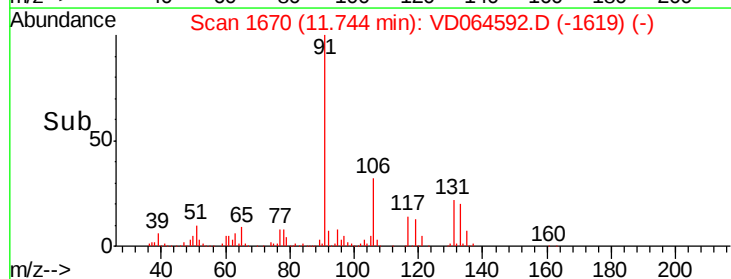
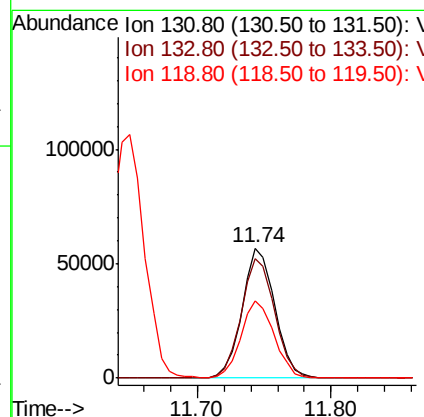
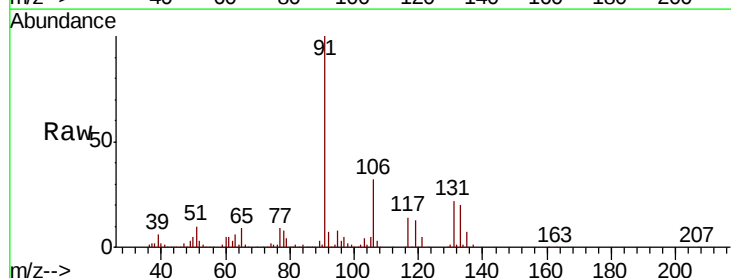
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.104 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	95962		
133	94.6	48.3	144.8	
119	60.9	32.1	96.3	





#67

Ethyl Benzene

Concen: 20.511 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 91 Resp: 449032

Ion Ratio Lower Upper

91 100

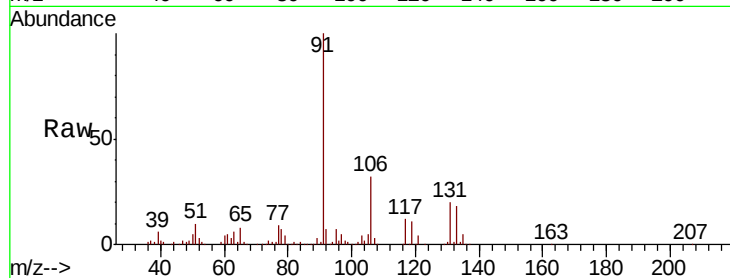
106 31.7 24.6 36.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD064584.D (-1662) (-)

400000

300000

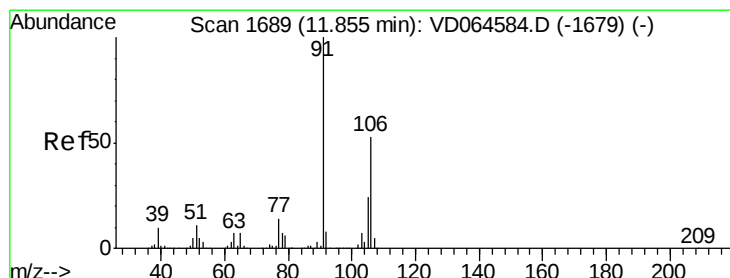
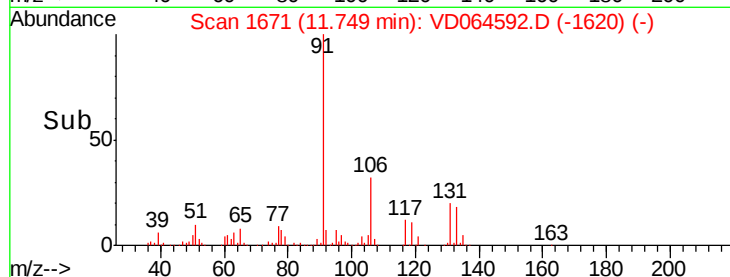
200000

100000

0

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 40.643 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064592.D

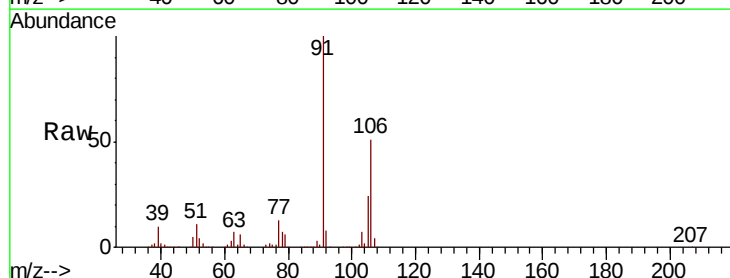
Acq: 26 Dec 2019 11:48

Tgt Ion: 106 Resp: 343436

Ion Ratio Lower Upper

106 100

91 200.0 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VD064584.D (-1679) (-)

Ion 91.00 (90.70 to 91.70): VD064584.D (-1679) (-)

400000

300000

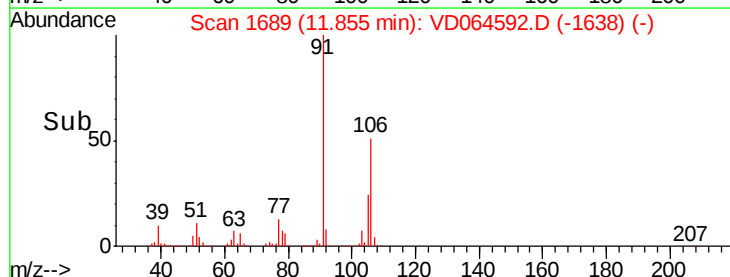
200000

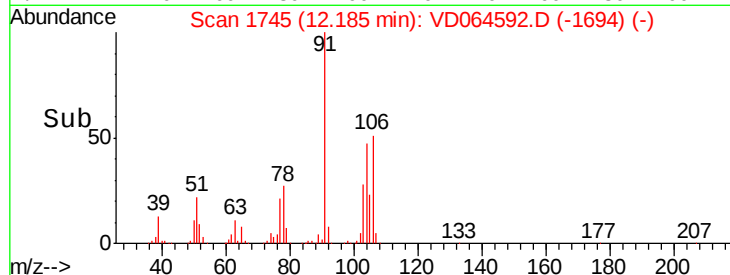
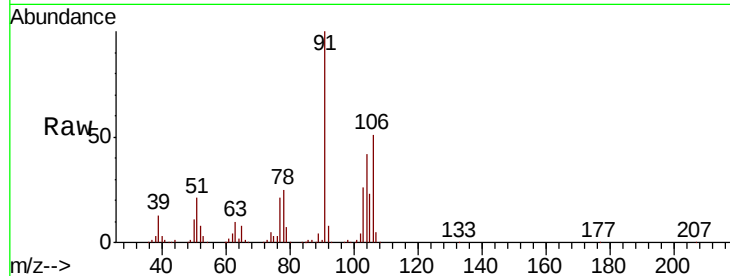
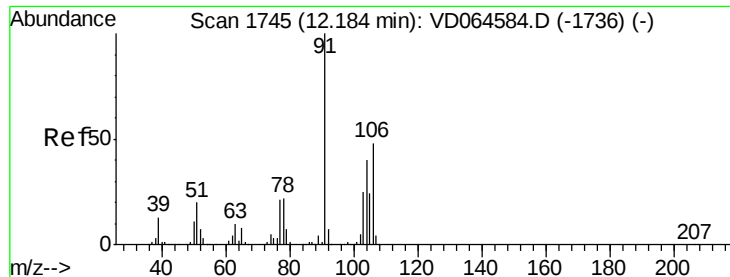
100000

0

11.80 11.86 11.90

Time-->





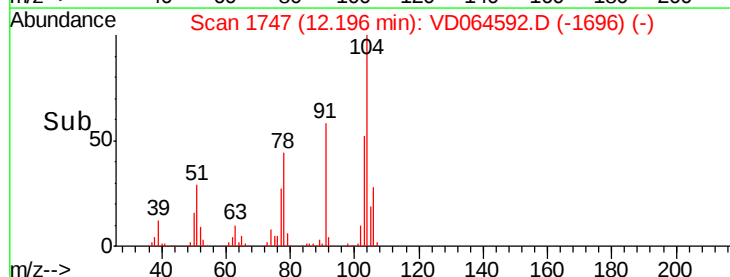
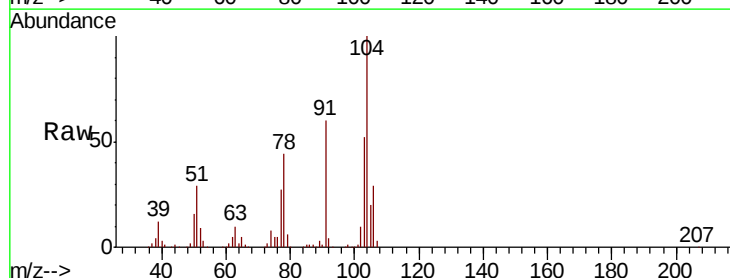
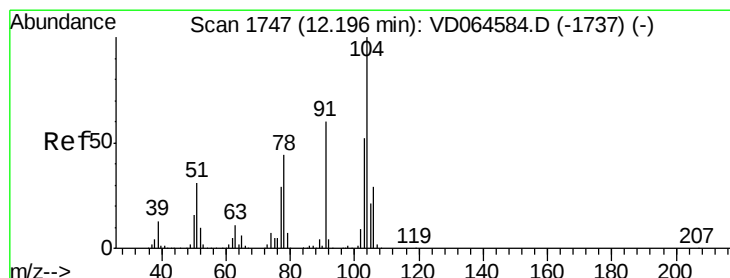
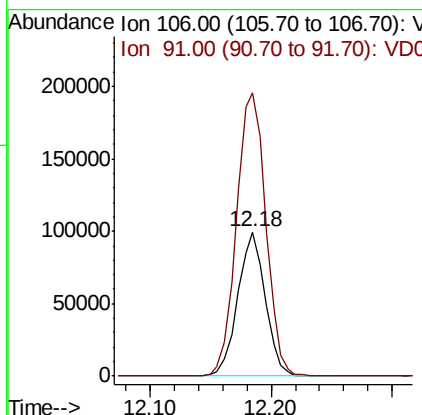
#69
o-Xylene
Concen: 20.660 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion:106 Resp: 157685
Ion Ratio Lower Upper
106 100
91 209.8 104.8 314.4

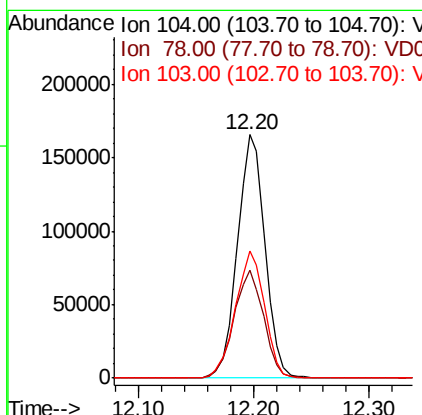
Manual Integrations
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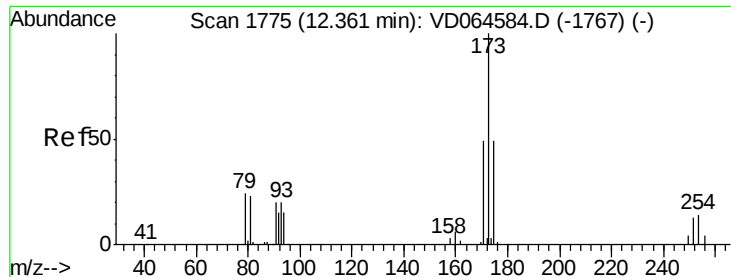
apatel
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#70
Styrene
Concen: 20.369 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion:104 Resp: 272883
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.7 44.6 67.0





#71

Bromoform

Concen: 20.516 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

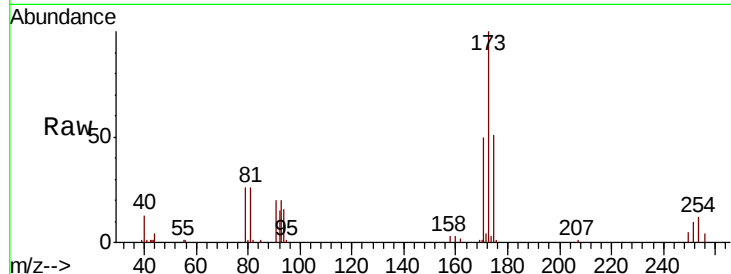
ClientSampleId :

VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
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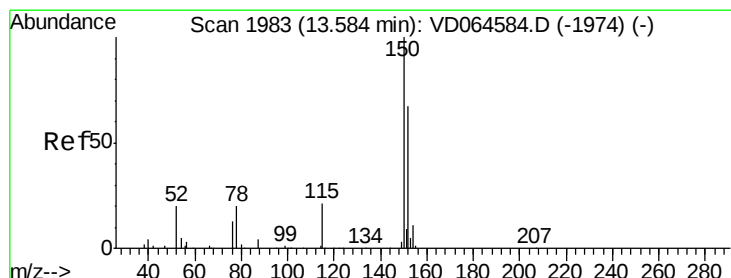
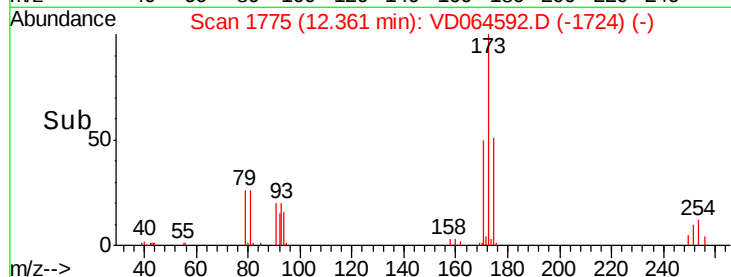
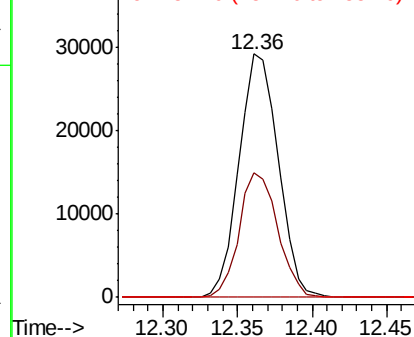


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

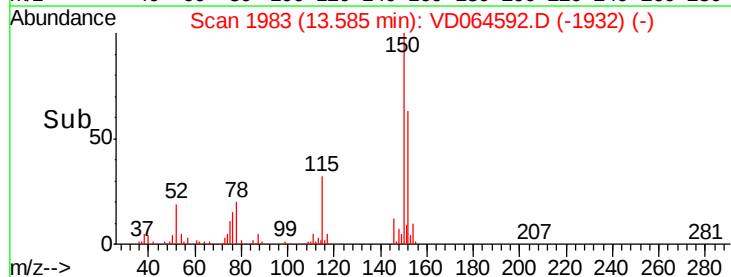
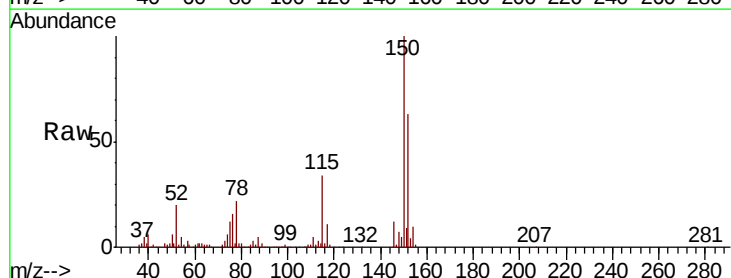
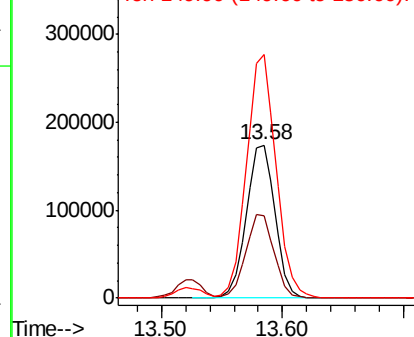
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.8	83.4
150	164.5	0.0	351.4

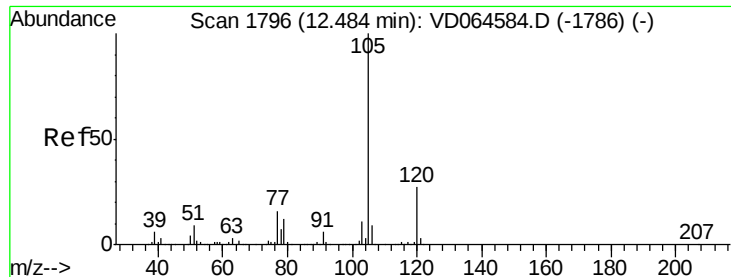
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.220 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 105 Resp: 435864

Ion Ratio Lower Upper

105 100

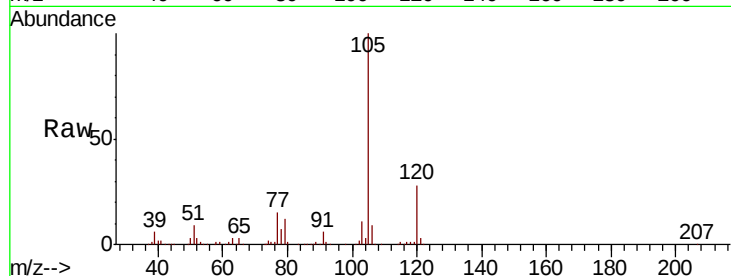
120 26.9 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

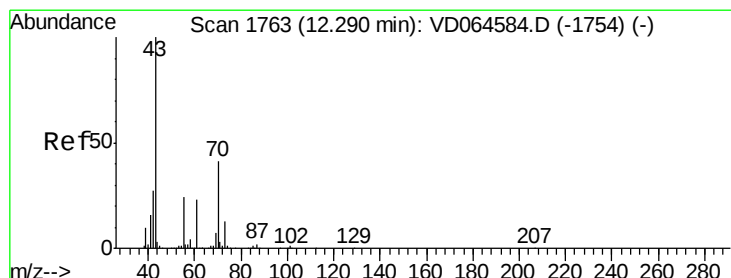
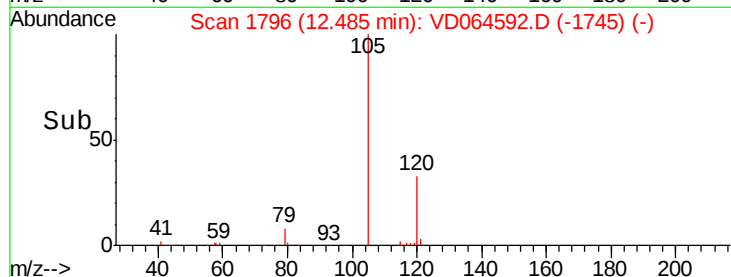
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.437 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion: 43 Resp: 94127

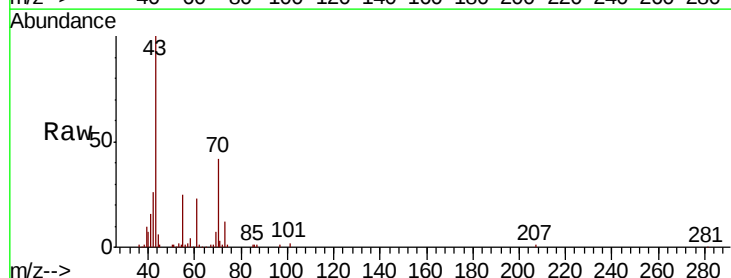
Ion Ratio Lower Upper

43 100

70 40.7 33.4 50.0

55 24.7 19.4 29.0

61 23.7 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

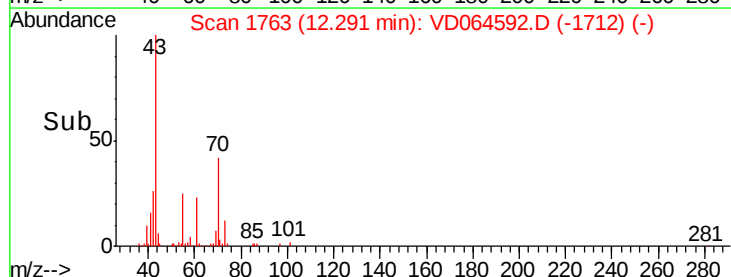
60000

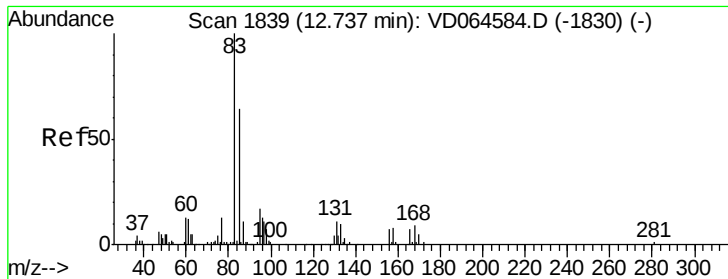
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.290 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

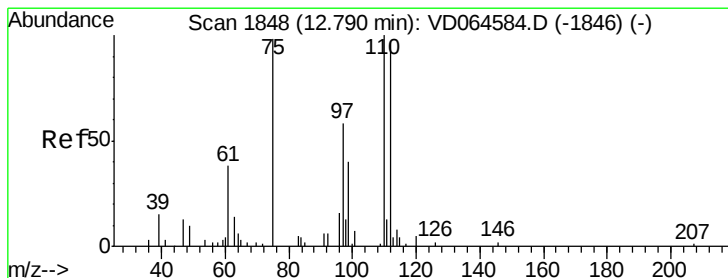
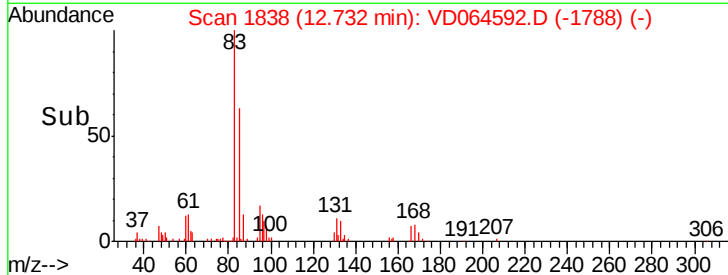
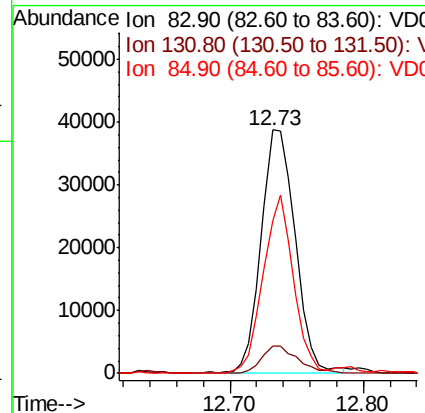
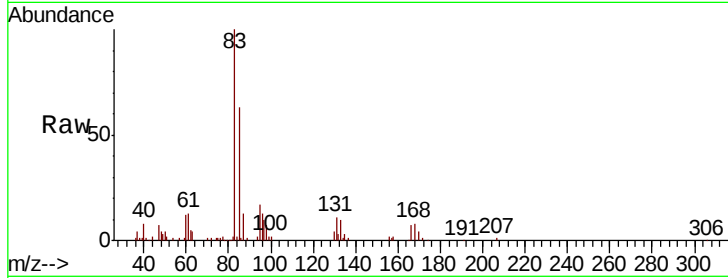
ClientSampleId :

VD1226SBSD01

Tot Ion:	83	Resp:	68697
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.8	17.4
85	64.7	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.051 ug/l m

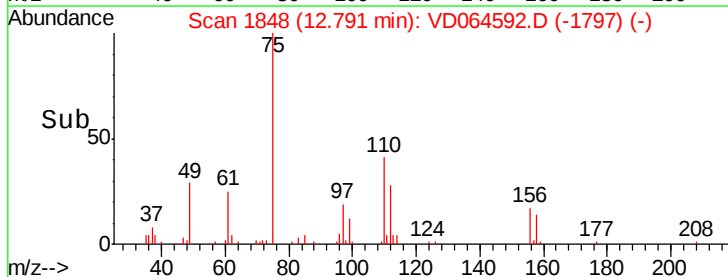
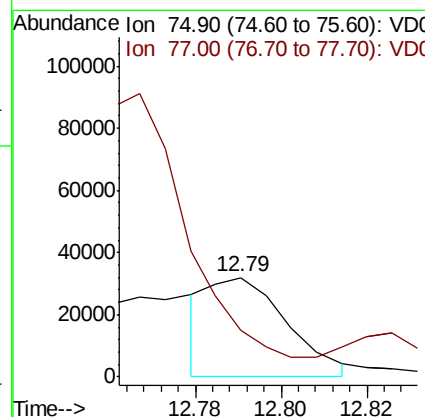
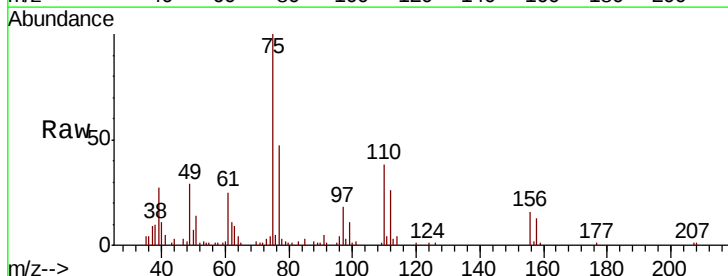
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Tgt Ion:	75	Resp:	40970
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





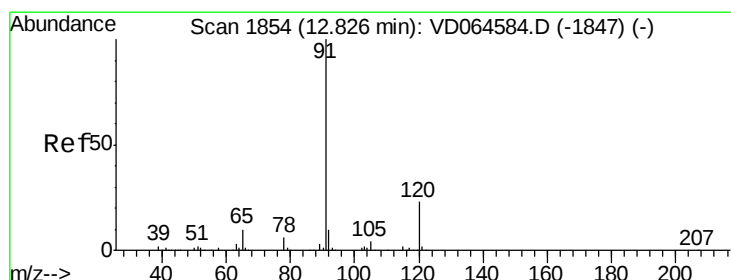
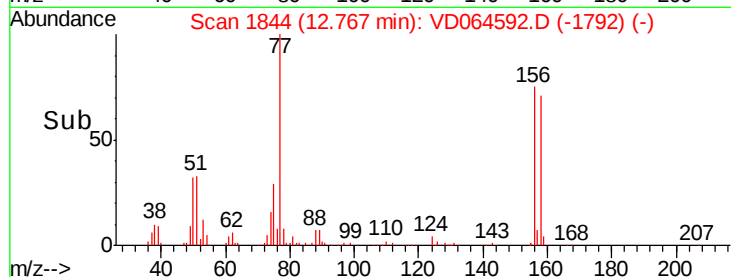
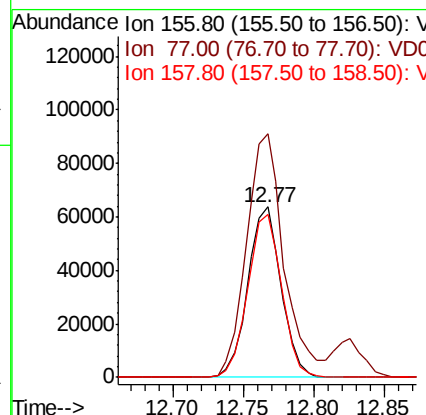
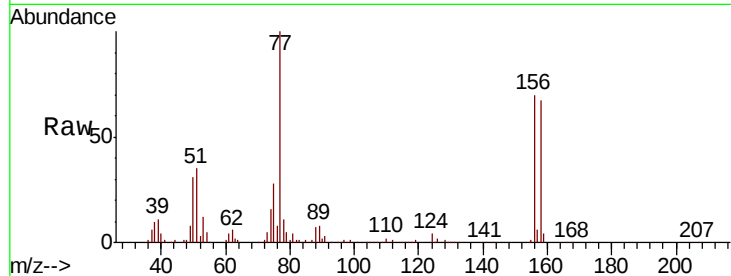
#77
Bromobenzene
Concen: 20.851 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.9	80.9	242.7
158	97.1	48.0	144.2

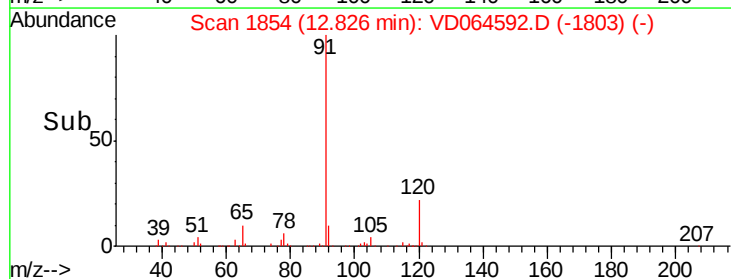
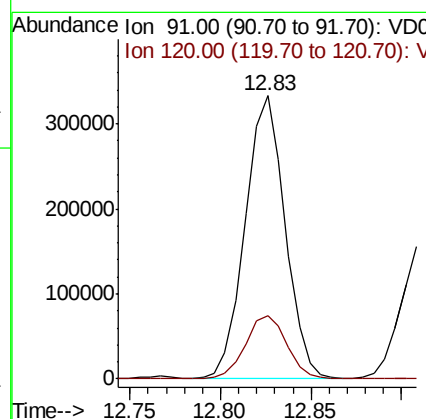
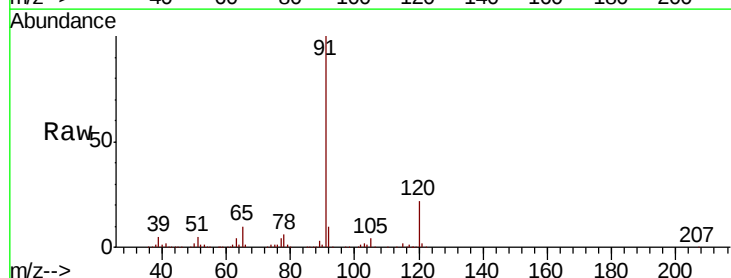
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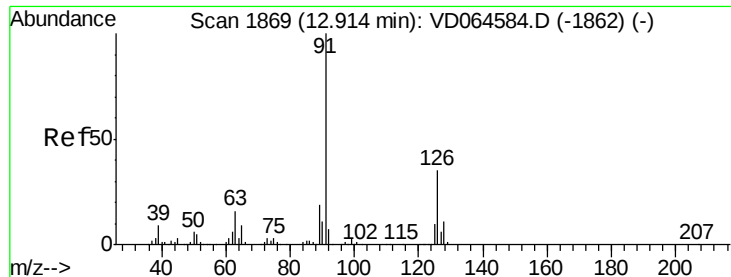
apatel
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#78
n-propylbenzene
Concen: 21.176 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.9





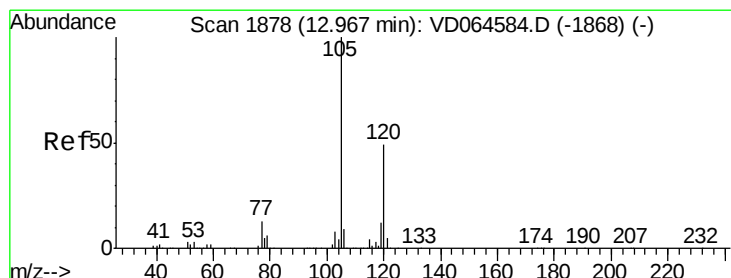
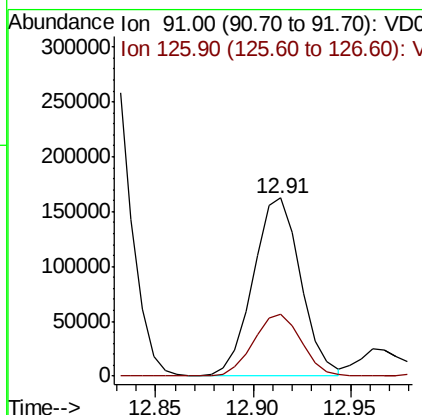
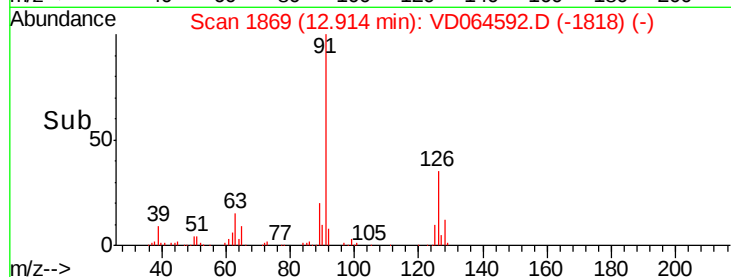
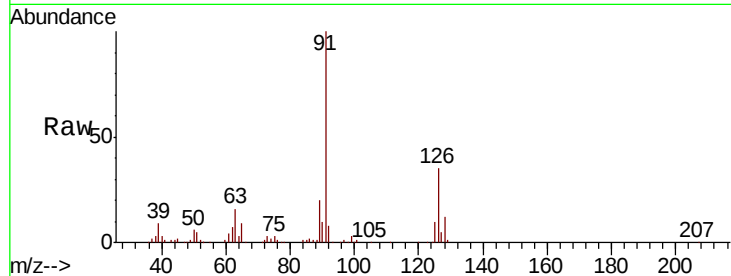
#79
2-Chlorotoluene
Concen: 20.801 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion: 91 Resp: 273825
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.5

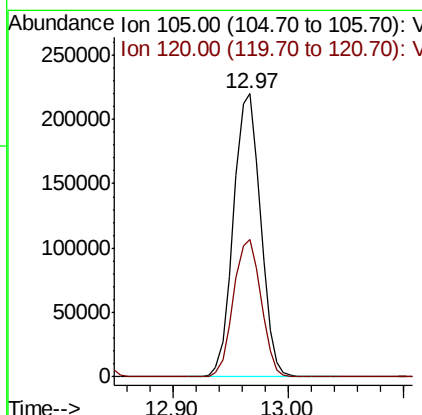
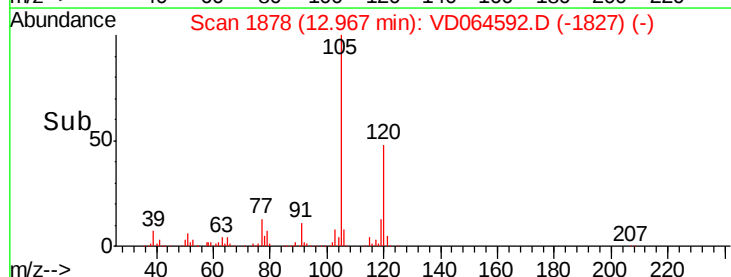
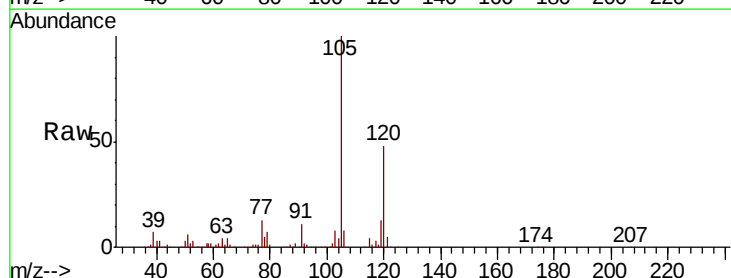
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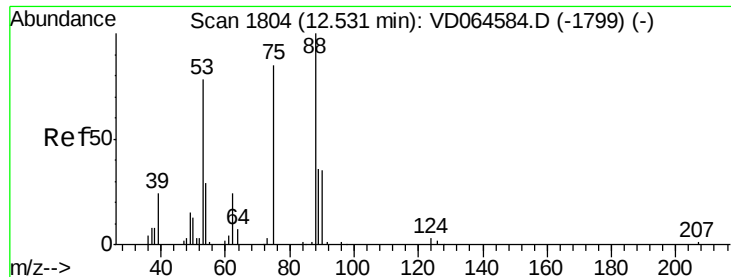
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#80
1,3,5-Trimethylbenzene
Concen: 21.186 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion: 105 Resp: 357469
Ion Ratio Lower Upper
105 100
120 49.7 25.0 75.0





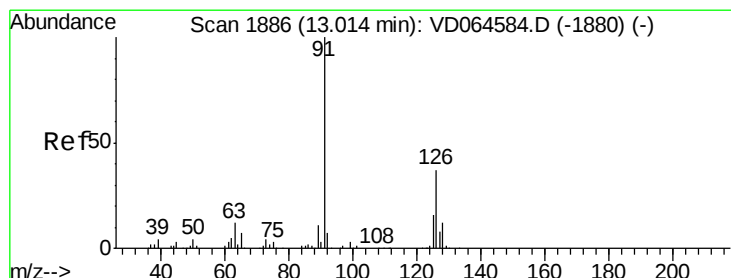
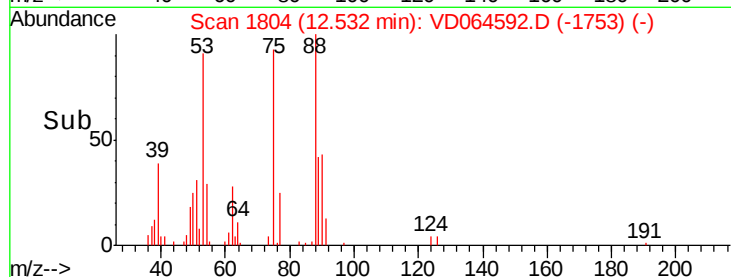
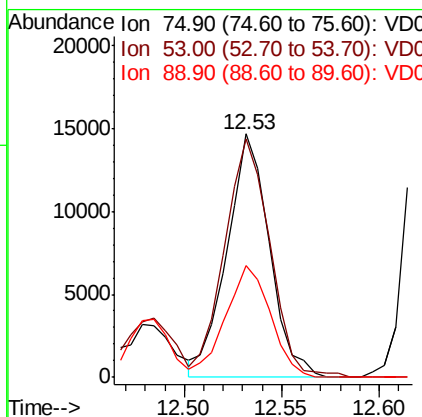
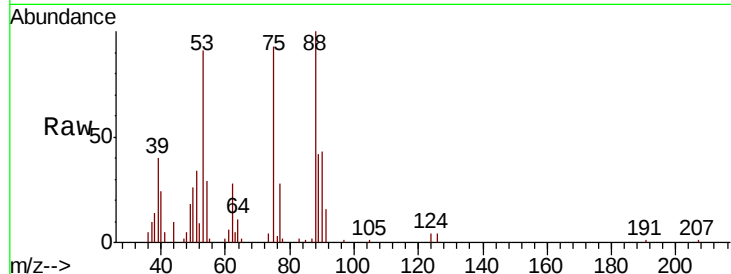
#81
trans-1,4-Dichloro-2-butene
Concen: 20.420 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.4	78.8	118.2
89	48.3	38.3	57.5

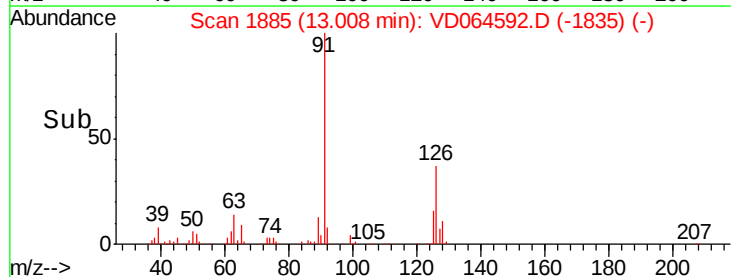
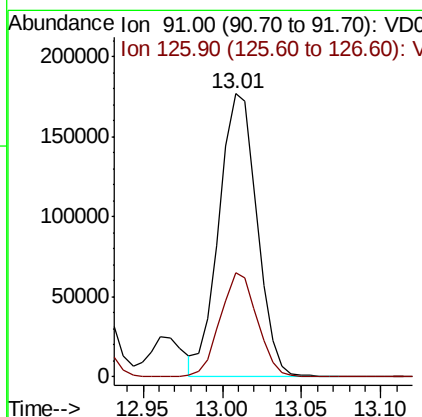
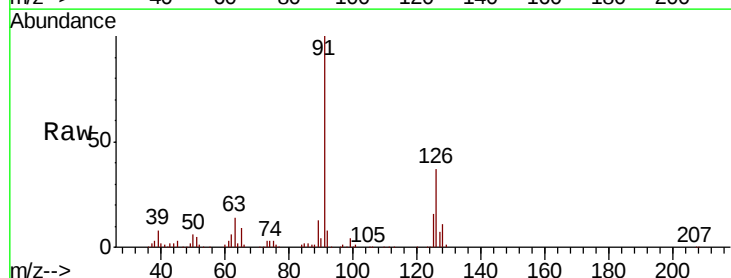
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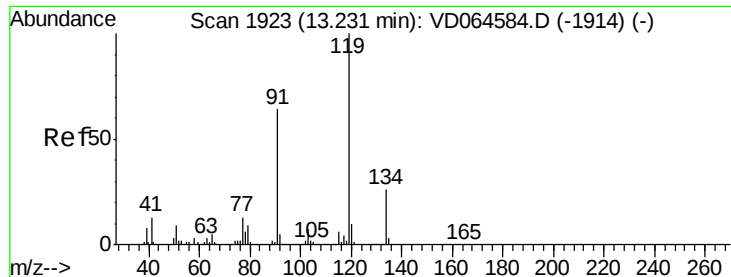
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#82
4-Chlorotoluene
Concen: 21.066 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5





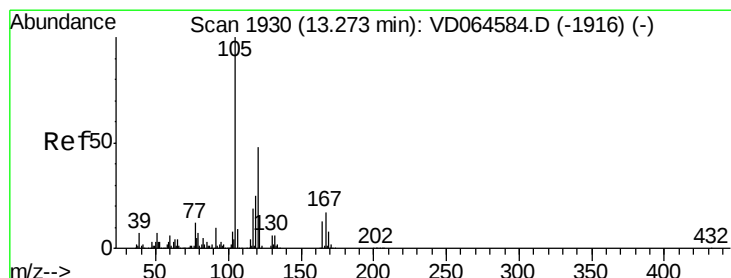
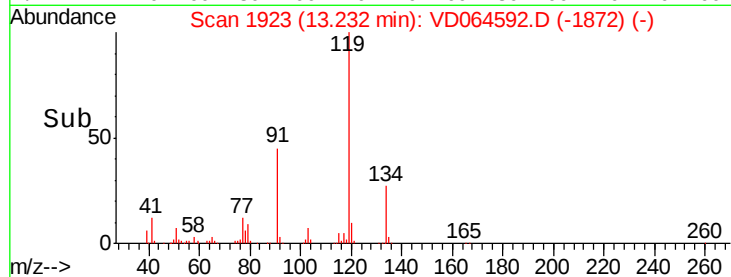
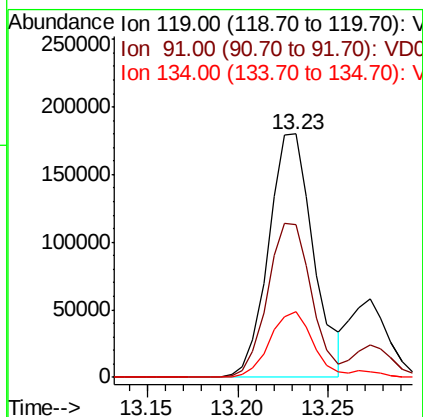
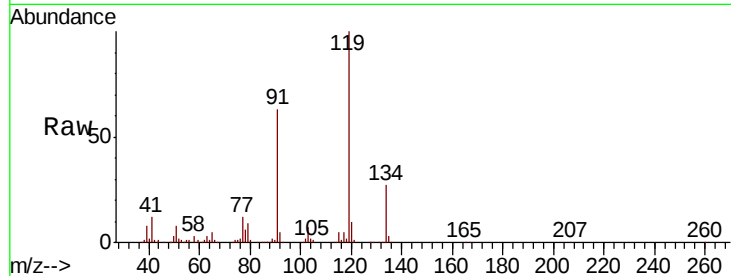
#83
 tert-Butylbenzene
 Concen: 21.266 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.8	92.4
134	25.9	12.8	38.3

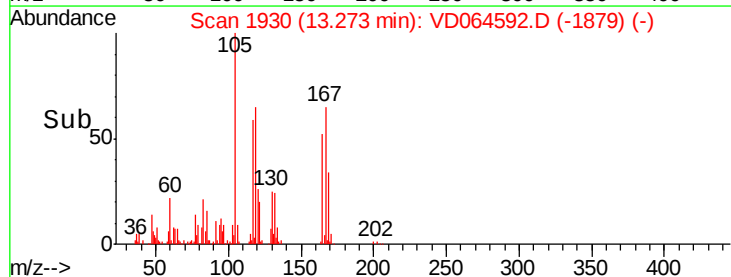
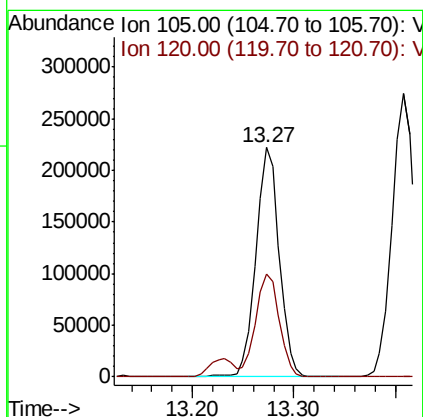
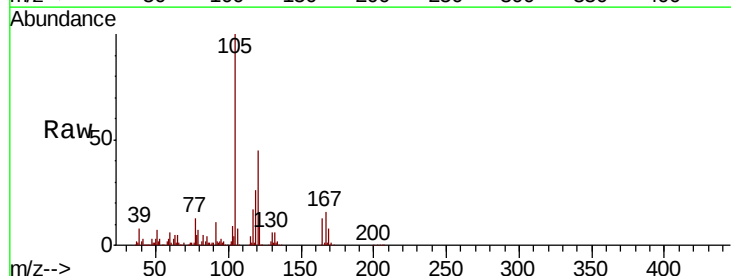
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.043 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.2





#85

sec-Butylbenzene

Concen: 21.222 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion:105 Resp: 426235

Ion Ratio Lower Upper

105 100

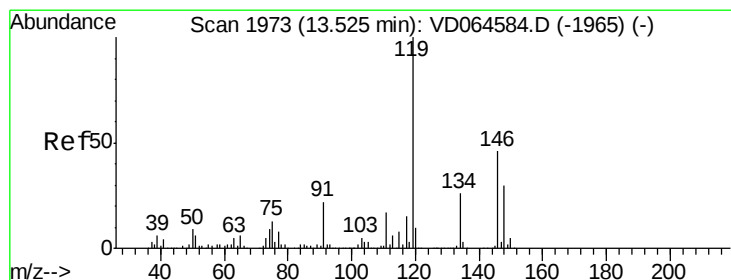
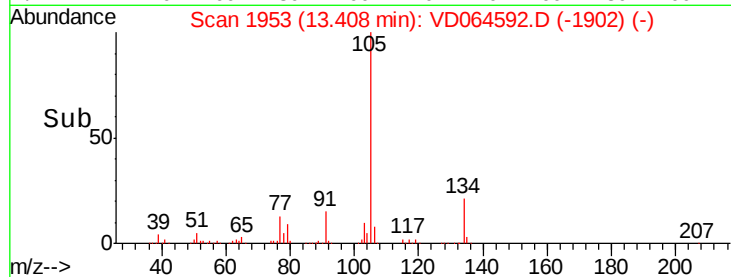
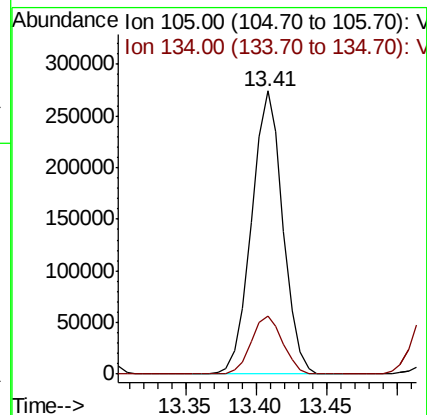
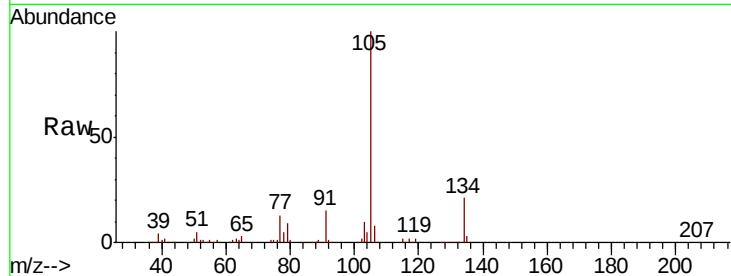
134 20.8 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 20.869 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064592.D

Acq: 26 Dec 2019 11:48

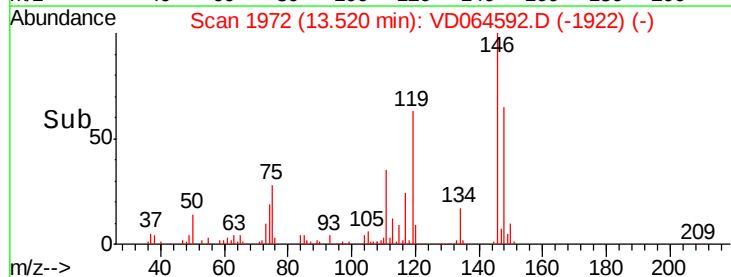
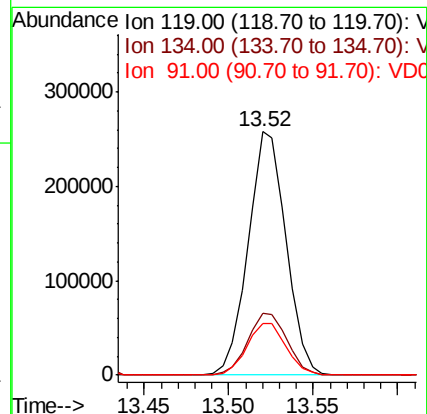
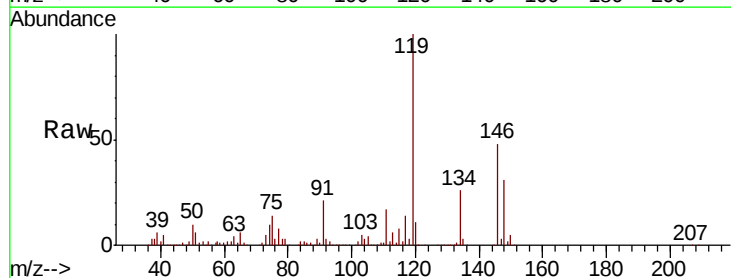
Tgt Ion:119 Resp: 400766

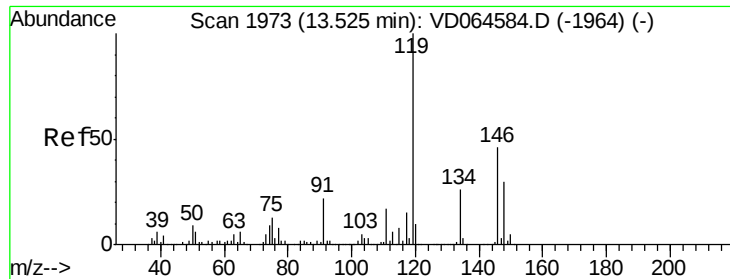
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.2 11.2 33.6





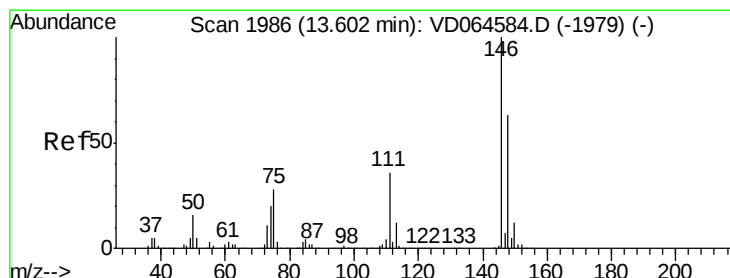
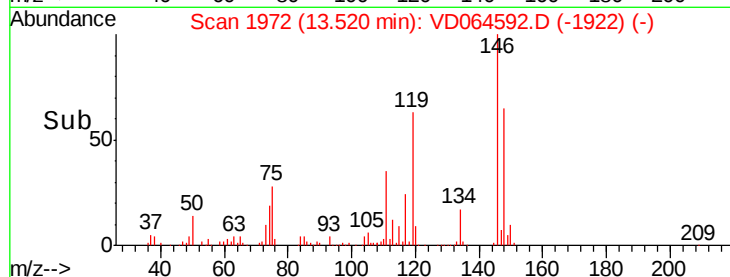
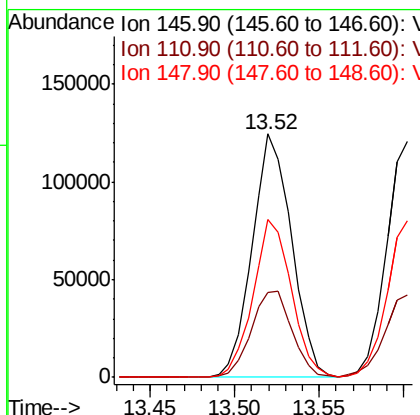
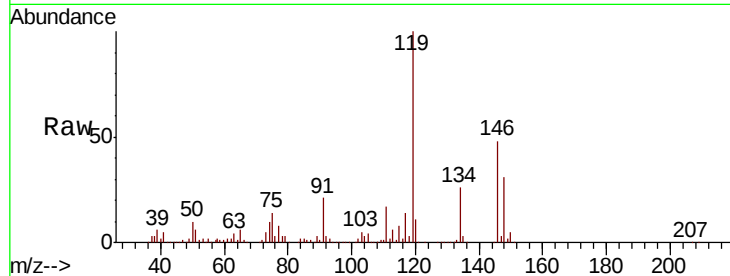
#87
 1,3-Dichlorobenzene
 Concen: 21.012 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202167		
111	36.4	18.8	56.4	
148	62.8	32.5	97.5	

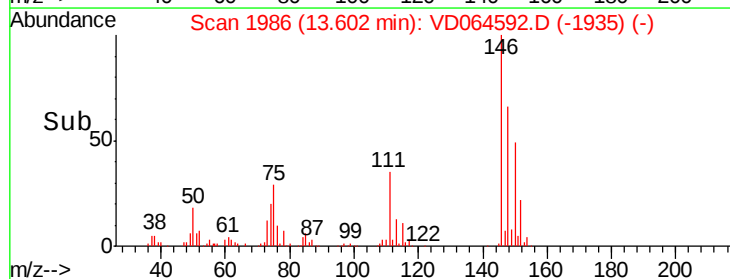
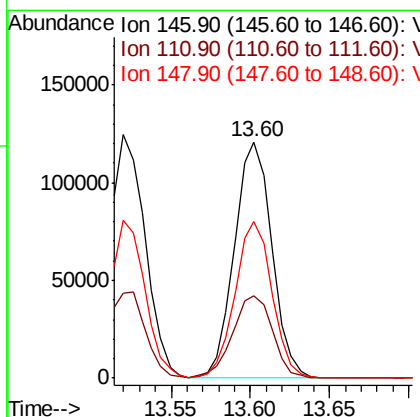
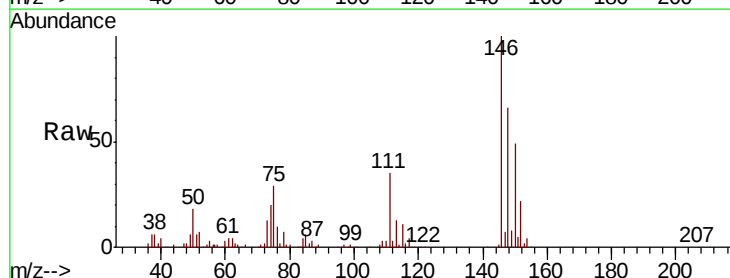
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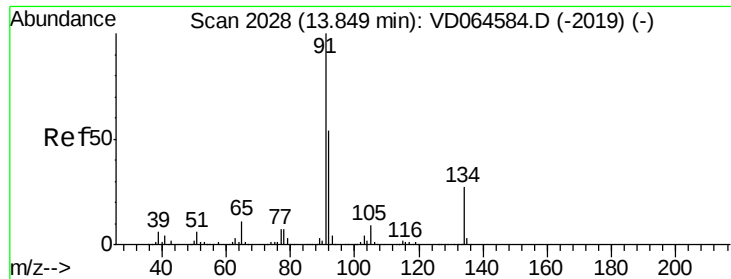
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#88
 1,4-Dichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	198628		
111	37.1	18.1	54.1	
148	65.4	32.3	96.9	





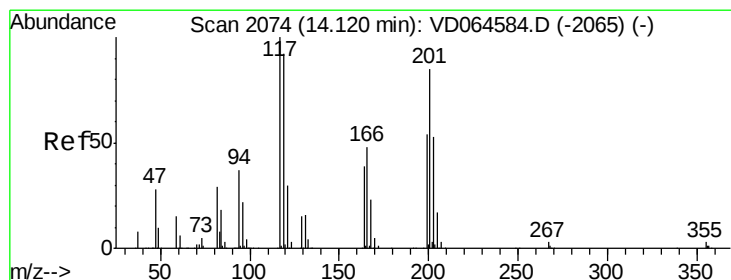
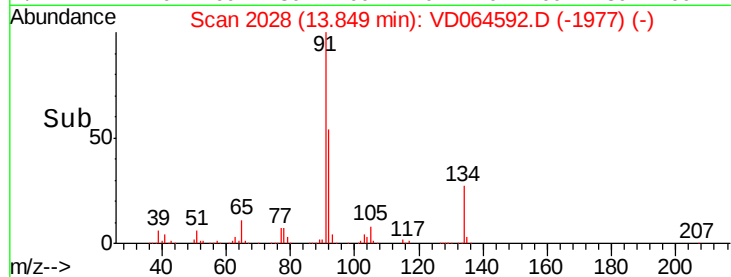
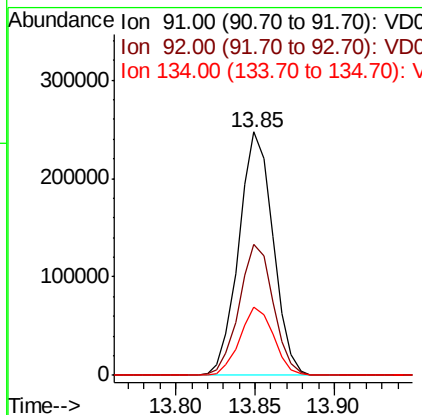
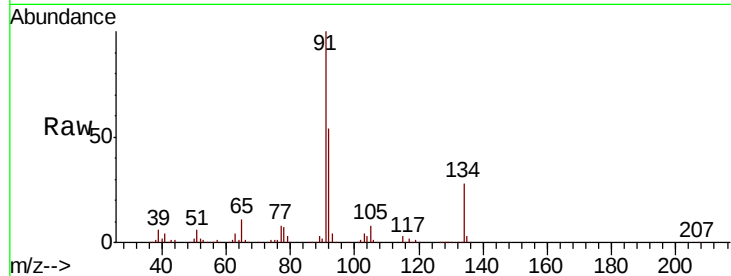
#89
n-Butylbenzene
Concen: 21.418 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.7	26.8	80.4	
134	27.7	14.0	41.9	

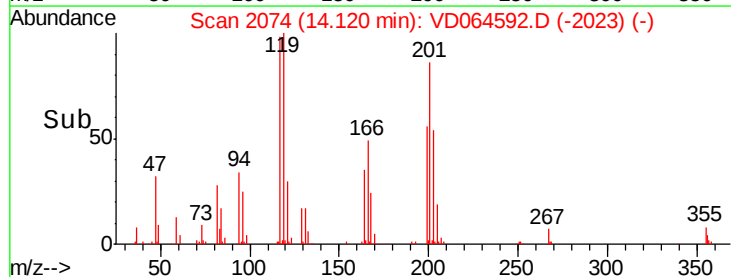
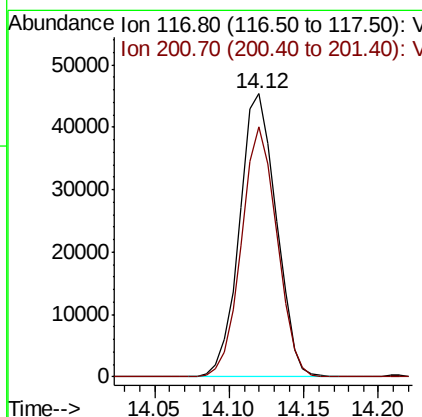
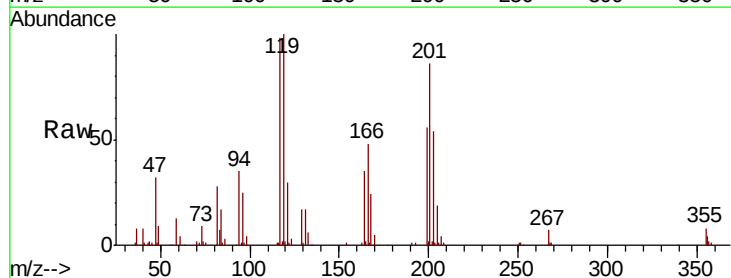
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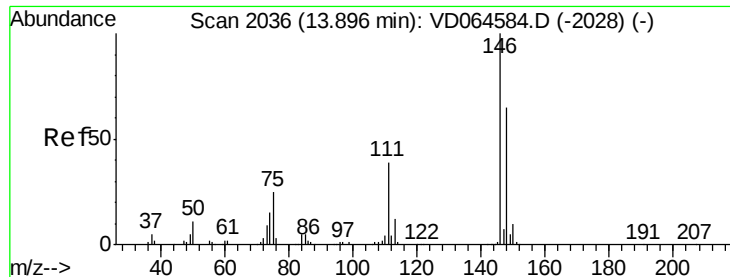
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#90
Hexachloroethane
Concen: 21.142 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.0	44.0	131.8	





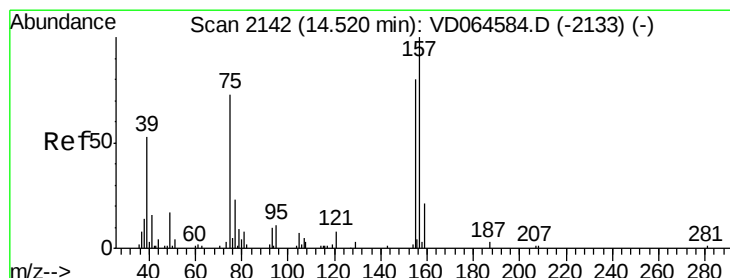
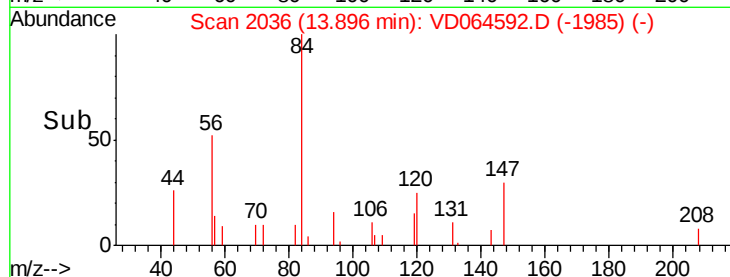
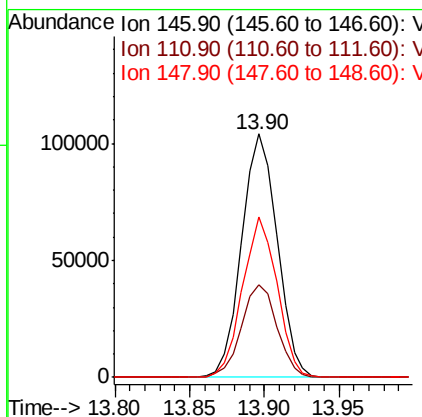
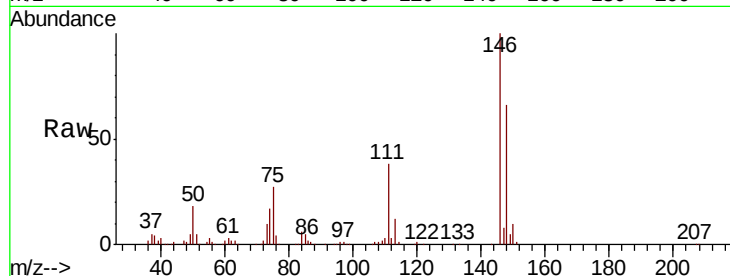
#91
 1,2-Dichlorobenzene
 Concen: 20.958 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	63.6	31.9	95.5

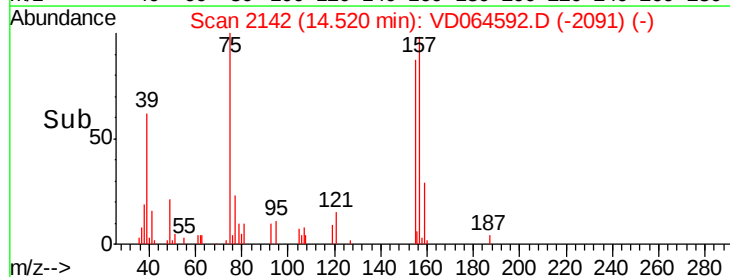
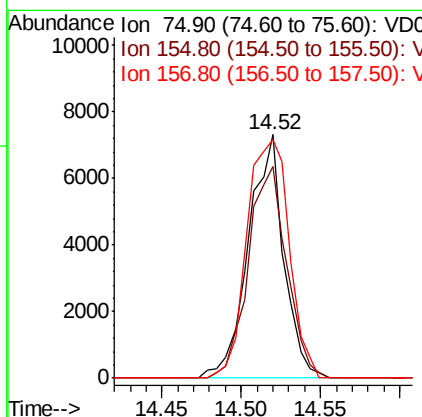
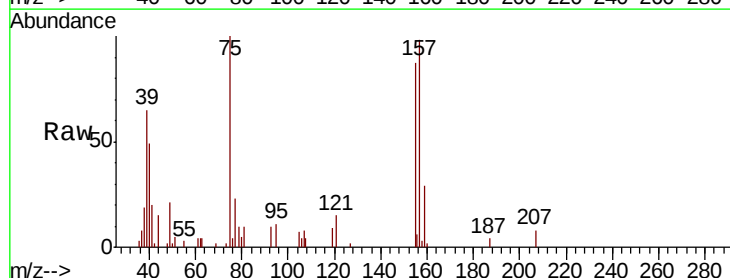
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.603 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	48.0	144.0
157	118.0	64.1	192.3





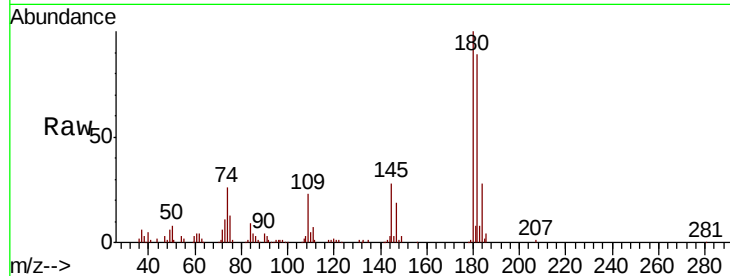
#93
 1,2,4-Trichlorobenzene
 Concen: 21.500 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129880		
182	93.0	48.0	144.2	
145	28.8	13.8	41.4	

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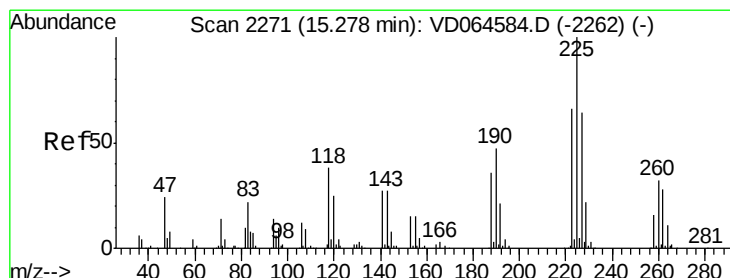
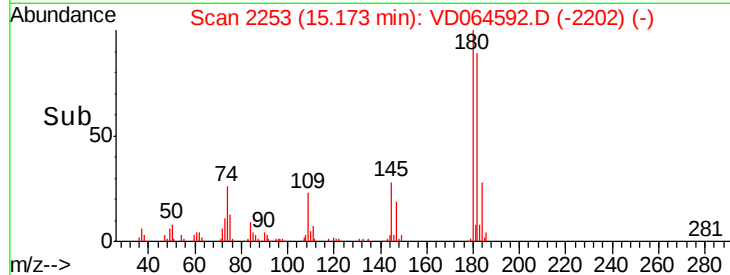
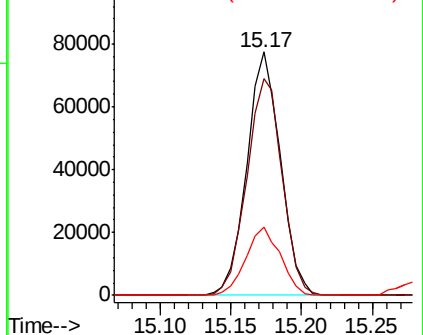


Abundance

Ion 179.80 (179.50 to 180.50): V

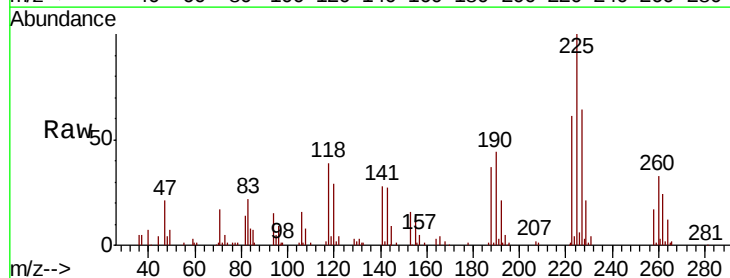
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.133 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064592.D
 Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80332		
223	60.9	31.1	93.2	
227	63.0	30.9	92.7	

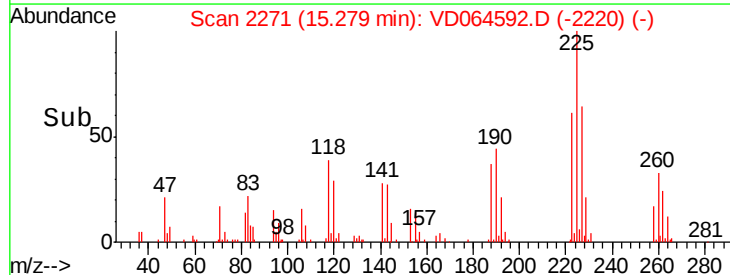
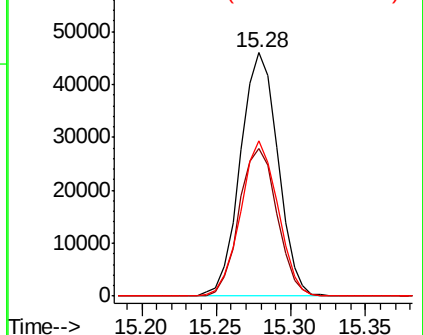


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





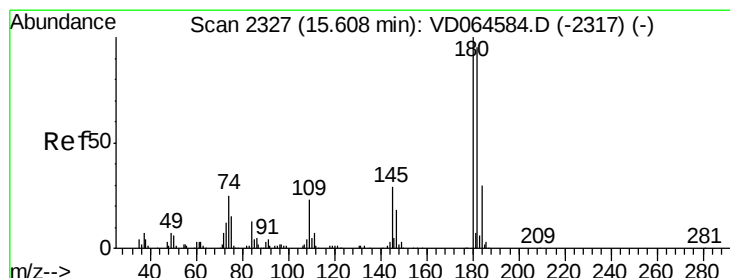
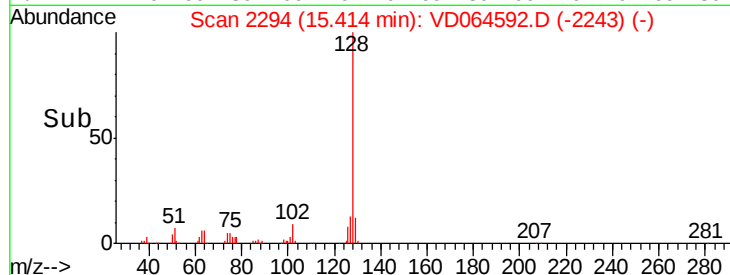
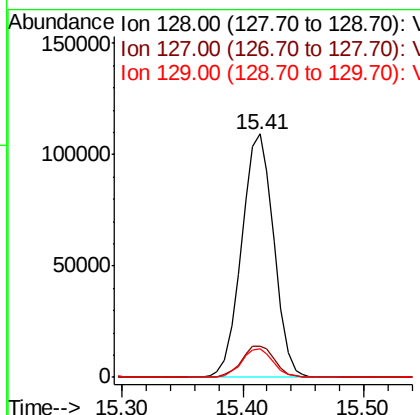
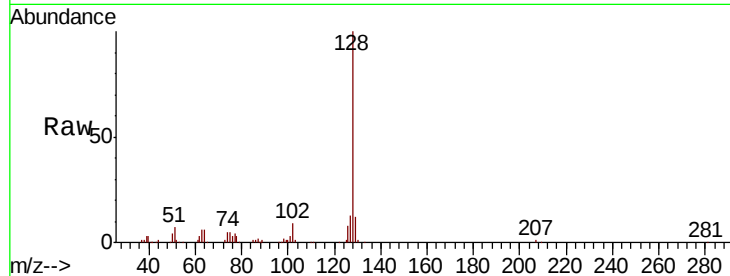
#95
Naphthalene
Concen: 21.214 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.6	8.5	12.7

Manual Integrations
APPROVED

apatel
12/27/2019 2:07:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.442 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064592.D
Acq: 26 Dec 2019 11:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.7
145	29.4	14.9	44.7

